

H. Lister

DILLWYN, L. W.

1823

AN INDEX TO THE
HISTORIA CONCHYLIORUM
OF LISTER

Division of Malacology
Geological Museum

~~Index~~
Catalog only -

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A N I N D E X

TO THE

HISTORIA CONCHYLIIORUM OF LISTER,

WITH THE

NAME OF THE SPECIES TO WHICH EACH FIGURE BELONGS,

AND

OCCASIONAL REMARKS.

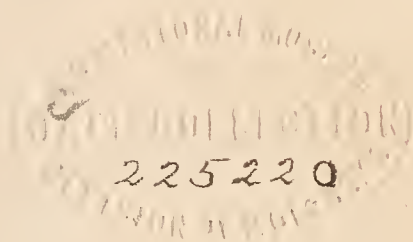
BY

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GENERAL REMARKS.

THE second edition of the *Historia Conchyliorum* is a work which has been so long and universally referred to by every naturalist who has published on either recent or fossil shells, that any alteration in the numbering of its plates would lead to much confusion, and I have therefore adhered strictly to Dr. Huddesford's arrangement. Several irregularities have however crept into this arrangement; and by these Dr. Maton and Mr. Rackett have been led to suppose, that seven of the original plates are missing. Neither of the plates is marked either with 89, 164, 195, 196, 222, 923, or 961: and, on the other hand, the number 101 has been given to three plates; and there are also duplicates of the following numbers, 168, 512, 822, 846, 883, 931, 965, and 990. Three of the seven missing plates have been obviously removed to the *Tabulæ Anatomicæ*; and if it can be satisfactorily shewn, that tab. 164 and 961 have been accidentally misplaced and wrongly numbered, we may fairly assume, that the remaining two are also to be found, either among the supernumerary plates, or in the anatomical department, although circumstances may not allow of their equally clear detection.

For the omission of tab. 89 it is difficult to account; but it is plain, from the neighbouring irregularity of the numbers by which the figures are distinguished independently of the plates, that there has been some derangement of their original order; and as the materials for the two departments have been obviously intermixed, it may not improbably have been removed to the *Tabulæ Anatomicæ*.

The plate which ought to have been numbered 164 is unquestionably misplaced, and is the supernumerary tab. 168 a. Tab. 165 is one valve of *Ostrea Jacobæa*; and tab. 166, which contains the other valve, is marked "idem," to denote its connection with the preceding plate: in like manner tab. 168 a. is marked "idem," with reference to tab. 163; for they contain the two valves of *Ostrea maxima*; and the former has no such affinity with tab. 168, which it follows in the present arrangement.

Tab. 195 and 196 have been removed to, and now constitute numbers 15 and 16 of the *Tabulæ Anatomicæ*, as is plainly indicated by these original numbers, which have been suffered to remain in the corners of the plates.

Tab. 222 is also proved in the same way to be number 18 of the *Tabulæ Anatomicæ*; but it should be brought back to its original place, for it simply contains a valve of *Mytilus margaritiferus*, and has nothing to do with anatomy. On the other hand, tab. 53, and the plates from 102 to 105, should be removed to the anatomical department.

For the omission of tab. 923 I am unable, with any degree of certainty, to account: but some plate may originally have been thus numbered, which it was afterwards thought would stand better in another section; or it may by accident have been wrongly marked, and placed elsewhere. The duplicate tab. 822 b. contains figures of *Buccinum plumatum* and *Murex crassus*; neither of which belongs to the section of volutes, where they now stand; and it may not improbably have been intended for this missing number.

Of tab. 961 a much more satisfactory account may be given, for the supernumerary tab. 931 is altogether misplaced; and I think there can be no doubt, that it has been accidentally marked with a 3 instead of a 6, and that it was intended to follow the Tritons at tab. 659 and 660. It is worthy of remark, that the figure of tab. 168 a. which is so clearly proved to have been misplaced, is not distinguished either by any name or number; and the same omission occurs in tab. 931, and must have rendered both these plates much more liable to derangement, than if they had been marked in the usual way.

Penllergare, January 12, 1823.

ENTWURF EINES

Die vorliegende Arbeit ist eine Zusammenfassung der Ergebnisse der Untersuchungen über die Wirkung der verschiedenen Faktoren auf die Entwicklung der Pflanzen. Die Untersuchungen wurden in der Zeit vom 1. April bis zum 1. Oktober 1900 in der Gärtnerei der Universität Bonn durchgeführt. Die Pflanzen wurden in verschiedenen Gruppen eingeteilt, die nach der Art der Bodenbearbeitung, der Düngung und der Bewässerung unterschieden wurden. Die Ergebnisse der Untersuchungen sind in der folgenden Tabelle zusammengefasst:

| Gruppe | Bodenbearbeitung | Düngung | Bewässerung | Ergebnis |
|--------|------------------|---------------|-------------------|-----------------|
| I | Handhacke | keine Düngung | keine Bewässerung | geringer Ertrag |
| II | Pflug | keine Düngung | keine Bewässerung | geringer Ertrag |
| III | Handhacke | keine Düngung | Bewässerung | geringer Ertrag |
| IV | Pflug | keine Düngung | Bewässerung | geringer Ertrag |
| V | Handhacke | Düngung | keine Bewässerung | geringer Ertrag |
| VI | Pflug | Düngung | keine Bewässerung | geringer Ertrag |
| VII | Handhacke | Düngung | Bewässerung | geringer Ertrag |
| VIII | Pflug | Düngung | Bewässerung | geringer Ertrag |

Die Ergebnisse der Untersuchungen zeigen, dass die Wirkung der verschiedenen Faktoren auf die Entwicklung der Pflanzen sehr unterschiedlich ist. Die Düngung hat den größten Einfluss auf den Ertrag, gefolgt von der Bewässerung. Die Bodenbearbeitung hat nur einen geringen Einfluss auf den Ertrag. Die Ergebnisse der Untersuchungen sind in der folgenden Tabelle zusammengefasst:

- | | | |
|----------------------|---|---|
| Petiver | { | Gazophylacium Naturæ et Artis. Pterigraphia Americana. |
| Plot | | Natural History of Oxfordshire. |
| Redi | | Observationes circa Animalia viventia, &c. |
| Rumphius | | Thesaurus Imaginum Piscium Testaceorum, quibus accedunt Conchylia. |
| Say | { | Description of the Land and Fresh-water Shells of the United States. Descriptions of American Land and Fresh-water Shells, in the Journal of the Academy of Natural Sciences of Philadelphia. |
| Schreiber | | Versuch einer vollständigen Conchylien Kenntniss. |
| Schroeter | { | Einleitung in die Conchylien Kenntniss nach Linnè. Die Geschichte der Flusconchylien, &c. |
| Smith | | Strata indentified. |
| Solander | | MS. Descriptions of Shells in the Library of the late Right Honourable Sir Joseph Banks. |
| Sowerby, J. | | Mineral Conchology. |
| Sowerby, G. B. | | Genera of Recent and Fossil Shells. |
| Swainson | { | Zoological Illustrations. Exotic Conchology. Catalogue of the rare and valuable Shells which formed the celebrated Collec- tion of the late Mrs. Bligh. |
| Turton | { | A General System of Nature; translated from Gmelin's edition of the Systema Naturæ. Conchylia Insularum Britannicarum. |
| Von Schlotheim | | Petrefactenkunde. |
| Walcott | { | Descriptions and Figures of Petrifications found in the Quarries, Gravel-pits, &c. near Bath. |
| Wood | | General Conchology. |

INDEX

TO THE

HISTORIA CONCHYLIORUM.

N. B. When no other arrangement is referred to, the Names of the Species are taken from the Editor's Descriptive Catalogue of Recent Shells.

TERRESTRIAL UNIVALVES.

Tab. Fig.

8. 1. *Helix Guadeloupensis*.
- 2. In the Descriptive Catalogue I have followed Chemnitz, in confounding this species with *Helix detrita*, but the spire is more produced and pointed, and it has been separated by Ferussac with the name of *Helix virgulata*, which has been changed for *Bulimus Caribæorum* by Lamarck.
- 3. Gmelin has followed Schroeter, who, in his Einleitung, has quoted this figure, with a mark of doubt, for *Helix fragilis*, but it is much more likely to be a small variety of *Helix palustris*, as has been suggested by Draparnaud. Petiver, in his Pteriographia Americana, t. 12. f. 10. has copied this figure.
9. 4. Is the *Helix flammigera* of Ferussac, and the *Bulimus Richii* of Lamarck. This species has been generally confounded with *Bulla Zebra*.
10. 5. } Young shells of *Helix flammigera* of Ferussac.
11. 6. }
12. 7. *Bulla fasciata*.
13. 8. *Bulimus ovoideus* of Bruguiere, (Encyclopédie Méthodique, p. 335,) and the species has not been noticed in the Descriptive Catalogue. Klein, t. 3. f. 65. is a copy.
14. 9. Is generally considered to be *Helix calcaria*; but the spire is less produced, with only six whirls, and these are rather more tumid. Bruguiere, at p. 366 of the Encyclopédie Méthodique, mentions this as the figure of an unknown species.
15. 10. *Bulla virginea*.
16. 11. Is *Helix pileus*; and Gmelin has followed Schroeter in erroneously describing this figure, as a separate species, with the name of *Bulla bifasciata*.
17. 12. *Helix decollata*.
18. 13. Bruguiere, at p. 327 of the Encyclopédie Méthodique, has made the following remark in his description of *Helix decollata*: “La figure treize de Lister, que je rapporte à cette espèce, représente une coquille qui n’avoit point encore éprouvé de fracture; on n’en trouve que rarement d’un pareil volume, qui soient dans cet état de conservation; car sur plusieurs centaines que j’en ai observé dans leur pays natal, à-peine puis-je en citer deux, qui même étoient d’un tiers plus petites que celle qui est représentée par la figure de cet auteur.” Klein has copied this figure in his Meth. Ostracolog. t. 2. f. 44.
19. 14. The right hand figure is *Helix acuta*, and the other has been separated from that species by Draparnaud with the name of *Bulimus ventricosus*, which has been changed to *Helix ventrosa* by Ferussac. The *Bulimus ventricosus* of Bruguiere is quite a different shell.
20. 15. Quoted by Bruguiere for *Helix octona*, and by Ferussac for his *Helix terebraster*, which he considers to be a distinct species. Klein, t. 2. f. 45. is a copy.
20. 16. Belongs to the genus *Clausilia* of Draparnaud, and is the *Helix collaris* of Ferussac.

Tab. Fig.

- Petiver has copied this figure at t. 153. f. 4. of his *Gazophylacium*, and again at t. 10. f. 11. of his *Pterigraphia*.
21. 17. Is a young shell of *Turbo cylindrus* with the lip unformed; and Petiver's *Pterigraphia*, t. 10. f. 12. has been copied from this figure.
- 18. Ferussac says he never saw this shell, and considers it to be a nondescript, to which he has given the name of *Helix Petiveriana*: but Petiver has done nothing more than copy Lister's figure in his *Pterigraphia*, t. 12. f. 9.
22. 19. Is the *Turbo* No. 131. of Schroeter's *Einleitung*, and I am unacquainted with the species. Petiver's *Gazophylacium*, t. 104. f. 4. is a copy.
- 20. *Bulla rivalis*.
23. 21. *Helix oblonga*, with an egg and young shell of the same species.
24. 22. *Voluta auris Virginis*.
25. 23. *Turbo Labeo*.
26. 24. *Turbo Lincina*. Petiver's *Gazophylacium*, t. 118. f. 11. and Klein, t. 3. f. 71. have been copied from this figure.
27. 25. *Turbo elegans*.
28. 26. *Turbo carinatus*.
29. 27. In the opinion of Ferussac is a nondescript species.
30. 28. The upper figure is *Turbo muricatus*, and the other is probably a variety of *Turbo armatus*. Petiver has copied both these figures at t. 10. f. 9. and 10. of his *Pterigraphia*.
31. 29. Arranged by Ferussac as a nondescript, with the name of *Helix Listeri*; and in the Portland Catalogue, lot. 711, it is said to be a native of Jamaica.
32. 30. *Voluta auris Judæ*.
33. 31. *Helix læva*.
- 32. Quoted with a mark of doubt by Ferussac for a reversed variety of *Helix Lucana*.
34. 33. Is generally considered to be a variety of *Helix aurea*, (i. e. *Bulimus citrinus* of Bruguiere,) but Mr. Swainson suspects that it is a distinct species, and has described it separately, with the name of *Bulimus aureus*.
35. 34. *Helix aurea*.
36. 35. Has been quoted for the *Helix inversa* of Muller; but it is a very indifferent figure, and hardly worth notice.
37. 36. *Bulla bicarinata*; and the original specimen from which this figure was made is still preserved in the Ashmolean Museum at Oxford.
38. 37. Is probably a young shell of *Helix columna*, with the apex more obtuse, and the whirls less numerous.
39. 37. b. *Helix columna*.
40. 38. *Turbo quadridens*; and Gmelin has strangely cited this figure, not only for *Turbo quadridens*, but also as a variety both of *Turbo perversus* and of *Turbo uva*.
41. 39. The larger figure is *Turbo laminatus*, and the other is *Turbo nigricans*: the latter has been copied from the Appendix to the *Historia Animalium Angliæ*, t. 1. f. 7.
42. 40. } *Helix Jamaicensis*.
43. — }
44. 41. *Helix globulus*.
- 42. Is the *Helix* No. 18. of Schroeter's *Einleitung*, and I cannot find any other reference to this figure; it is however more likely to be a *Turbo* than a *Helix*.
45. 43. Is the *Helix melanotragus* of Born, which is probably nothing more than a variety of *Helix hæmastoma*.
46. 44. Same as t. 44. f. 41.
47. 45. Is the *Helix albolabris* of Say, in Nicholson's *American Encyclopedia*, and the species is unnoticed in the *Descriptive Catalogue*. In the Portland Catalogue, p. 91. lot 2013, the figure is referred to for "a scarce *Helix* from America," and erroneously by Gmelin for a variety of *Helix Pomatia*.
48. 46. *Helix Pomatia*. Among Lister's papers at the Ashmolean Museum, there is a letter addressed to him from Mr. Charles Proby, dated Montpelier, Jan. 2, 1699; which, in allusion to *Helix Pomatia* having been found at Asted near Epsom, says, "The old Lord Arundell brought them over out of this country alive, and dispersed them up and down his grounds." This corroborates the evidence which Da Costa has adduced, to prove that it is not an aboriginal species of this kingdom.

Tab. Fig.

49. 47. *Helix grisea*.
50. 48. Quoted by Muller, Gmelin, and Lamarck for *Helix volvulus*; but the spire is too much produced, and it is probably some other species of the genus *Cyclostomus*.
51. 49. Is probably a variety of *Helix lactea*, and I have received specimens which are equally large from Spain. Tab. 153. f. 8. of Petiver's *Gazophylacium* has been copied from this figure.
52. 50. This, as well as the preceding figure, has been strangely cited by Gmelin for a variety of *Helix Pomatia*, and it bears a far greater resemblance to *Helix Algira*. I have seen the species in Mrs. Mawe's cabinet, and believe it is undescribed, unless it should prove to be the Linnean *Helix striatula*.
53. — An anatomical dissection of *Helix Lucorum*, copied from a work published in 1679, by J. J. Harderus, and entitled "Examen Anatomicum Cochleæ terrestris domi-
"portæ."
54. 50. *Helix citrina*.
55. 51. Is *Turbo Jamaicensis* of Chemnitz, which in my Descriptive Catalogue has been arranged as a variety of *Helix Oculus Capri*, but is perfectly distinct. Gmelin has strangely quoted this figure both for *Helix corrugata* and for a variety of *Helix nemoralis*. Petiver, in his *Pterigraphia*, t. 14. f. 11. and Klein, in the *Meth. Ostracolog.* t. 1. f. 28. have copied this figure.
56. 53. *Helix arbustorum*.
57. 54. *Helix nemoralis*.
58. 55. Quoted by Muller, with a mark of doubt, for *Helix strigata*, and absurdly by Gmelin for a variety of *Helix nemoralis*.
59. 56. *Helix Pisana*: and Ferussac's opinion, that the *Helix cingenda* of Montagu is the *Helix Pisana* of Muller, appears to me to be erroneous.
60. 57. Has been quoted by most authors for *Helix citrina*, but in the greater convexity of the base it more resembles *Helix nemorensis*.
61. 58. *Trochus terrestris*; and t. 22. f. 10. of Petiver's *Gazophylacium* is a copy.
- 59. *Helicina Neritella* of Lamarck, and I believe that the species has not been described by any other author; it has however been figured by Bowdich, in his *Elements of Conchology*, t. 12. f. 6.
62. 60. *Helix Epistylum*. Petiver has copied this figure in his *Pterigraphia*, t. 14. f. 12.
63. 61. *Helix Carocolla*.
64. 62. *Helix albella*.
65. 63. *Helix exilis*.
66. 64. Is a young shell of *Helix Pellis Serpentis*, with the outer lip unformed, and the dots round the umbilicus wanting.
67. 65. Is the *Helix* No. 34 of Schroeter's *Einleitung*, and the figure has not been noticed by any other author.
- 66. *Helix marginata*, with the umbilicus closed, which is always the case in old shells.
68. 67. Is quoted both by Meuschen and in the *Portland Catalogue* jointly with f. 66. and was also thought by Lister to be the same species: it differs however in the toothed appearance of the pillar lip, and I have never seen any shell like it.
69. 68. *Helix lapicida*.
70. 69. Is the *Helix alternata* of Say, and it has been quoted by Muller for his *Helix radiata*, which is probably the same species. Petiver, in the *Gazophylacium*, t. 104. f. 1. has copied this figure.
71. — The two upper figures are *Helix nitida*, and the others belong to *Helix rufescens*.
72. 70. Is the *Helix* No. 39. of Schroeter's *Einleitung*, and considered by Draparnaud to be a variety of *Helix albella*.
73. 71. Is the *Helix* No. 40. of Schroeter, and is an uncertain figure: it has been copied by Klein in his *Methodus Ostracolog.* t. 1. f. 16.
- 72. A variety of *Helix zonaria*.
74. 73. Quoted by Ferussac, with a mark of doubt, for his *Helix Isabella*; and Lamarck has very unnecessarily changed the name of this species to *Helix Barbadosensis*.
- 74. Muller has quoted this figure for his *Helix muralis*; but Ferussac suspects that it is another species, to which he has given the name of *Helix formosa*. It has been copied by Klein in his *Meth. Ostracolog.* t. 1. f. 18.
75. 75. Has been quoted by Muller and Gmelin for *Helix involvulus*; and this species is so

Tab. Fig.

- nearly allied to the *Helix volvulus* of Muller, that a figure like this is almost equally referable to either. In the Descriptive Catalogue, *Helix volvulus* has been described for the *Helix Oculus Capri* of Linneus; but this synonym is disputed by Ferussac, and he considers his *Helix unguicula* to be the Linnean species.
76. 76. *Helix Pellis Serpentis*.
77. 77. I am unacquainted with this shell, which constitutes the *Helix* No. 46. of Schroeter's Einleitung; and the figure has been copied by Klein in his Meth. Ostracolog. t. 1. f. 17.
78. 78. *Helix ericetorum*. Draparnaud says, that the α of Muller is his *Helix cespitum*; and that the shell here figured, which is every where called the *Helix ericetorum* of Muller, is the β of that species.
- 79. *Helix strigata*; and the uppermost figure has been copied by Klein in his Meth. Ostracolog. t. 1. f. 12.
79. 80. *Helix Algira*.
- 80 a. *Helix Olivetorum* of Gmelin, which is nothing more than a young shell of *Helix Algira*.
80. 81. A variety of *Helix albella*.
81. 82. Is conjectured by Ferussac to be a young shell of his *Helix tridentata*; and by Mr. Say, in the Journal of the Academy of Natural Sciences of Philadelphia, to be his *Helix ligera*. Petiver's Gazophylacium, t. 104. f. 2. is a copy.
82. 83. From the figure, unaccompanied by any description, it is nearly impossible to ascertain the species, and it has only been noticed by Schroeter, and in the Portland Catalogue: it is the *Helix* No. 52. of the former; and in the latter is referred to for "a fair and large terrestrial undescribed Helix."
83. 87. By Gmelin is arranged as a variety of *Helix ringens*; and in the Portland Catalogue, lot 964. it is called "a variety of the great brown bidentated Helix of Jamaica." The figure is rather indistinctly drawn, and has been quoted, with a mark of doubt, by Ferussac, for his *Helix Julia*.
84. 84. Is the *Helix* No. 54. of Schroeter's Einleitung; and is quoted by Gmelin for a variety of *Helix ringens*, but it more properly belongs to *Helix Cepa*.
85. 85. Quoted by Muller for his *Helix crenulata*, and appears to me to be the *Helix caperata* of Montagu: Draparnaud however, rejecting this synonym, considers Muller's *Helix crenulata* to be his *Helix elegans*, which is the *Trochus terrestris* of British authors.
86. 86. With a mark of doubt, has been quoted by Muller for his *Helix albina*, and is rather an uncertain figure.
87. 88. *Helix punctata* of Born; and in the Descriptive Catalogue, the *Helix Isognomostomus* of Gmelin has been improperly blended with this species.
88. 89. *Helix Cepa*.
90. 90. *Helix Lychnucus*.
91. 91. Is the *Helix Thyroidus* of Say; and Petiver has copied this figure at t. 105. f. 4. of his Gazophylacium.
92. 92. Is the *Helix tridentata* of Say; and has been quoted by Draparnaud for the *Helix personata* of Lamarck, which, though nearly allied, is a distinct species. Petiver, t. 104. f. 3. has been copied from this figure.
93. 93. Gmelin has quoted this jointly with figure 94. for a variety of *Helix sinuata*; and from the same figures his *Helix Isognomostomus* has been badly constituted. The latter species in my Descriptive Catalogue has been erroneously referred to for *Helix punctata*; and the present figure most probably belongs to a shell which Mr. Say has described, in vol. ii. of the Journal of the Academy of Natural Sciences of Philadelphia, with the name of *Helix appressa*. It has been copied by Petiver in his Gazophylacium, t. 105. f. 6; and by Klein in his Meth. Ostracolog. t. 1. f. 22.
- 94. *Helix hirsuta* of Say; and from this figure Petiver's Gazophylacium, t. 105. f. 6. has been copied.
94. 95. *Helix aspera* of Ferussac. In Huddesford's Index this figure is said to be *Helix Carocolla*; from which species it differs both in shape, and in the teeth at its aperture.
95. 96. *Helix lactea*.

- Tab. Fig.
 96. 97. *Helix lucerna*.
 97. 98. *Helix sinuata*.
 98. 99. Is a common variety of *Helix sinuata*; and Petiver's Pterigraphia, t. 10. f. 13. and 14. are copies.
 99. 100. *Helix ringens*.

LAND SNAILS.

101. 101. *Limax agrestis* of Linneus. The engravings of the genus *Limax* in the Encyclopédie Méthodique, t. 84. and 85. have been almost entirely borrowed from this and the four following figures.
 — 102. *Limax ater* of Linneus.
 101.a. 103. *Limax rufus* of Linneus.
 — 104. Variety of the *Limax maximus* of Linneus. This and the three preceding figures were originally published by Lister, in his Historia Animalium Angliæ and its Appendix.
 101.b. — *Limax flavus* of Linneus.
 102. } Anatomical dissections of *Limax maximus* of Linneus: and Lister has copied all
 103. } these figures from a work by Redi, entitled "Experimenta circa generationem
 104. } "Insectorum."
 105. }

FRESHWATER UNIVALVES.

108. 1. Appears to me to be *Helix substriata*: but Bruguiere has given an opinion, that it is a bleached shell of his *Bulimus radiatus*, which is the *Helix detrita* of Muller. Martini, who, in the Berlin Magazine, iv. t. 10. f. 46. has copied this figure; and Schroeter, in the Einleitung, ii. p. 196. No. 68; have however placed it as a separate species. See also Schroeter's Flussconchylien, p. 340.
 109. 2. Martini, in the Berlin Magazine, has copied the uppermost of these two figures, and they are both referred to for the *Helix* No. 69. of Schroeter's Einleitung. See also the Flussconchylien, p. 343.
 110. 3. In the Berlin Magazine, iv. t. 10. f. 53. a. this figure has been copied; and also by Petiver, in his Gazophylacium, t. 105. f. 9: and in Schroeter's Einleitung it constitutes his species of *Helix* No. 70.
 — 4. Mr. Say suspects that this belongs to his *Paludina Virginica*; and it is most probably a variety of that species. Martini's Berlin Magazine, iv. t. 10. f. 53. b. and Petiver's t. 105. f. 8. have been copied from this figure; which constitutes the *Helix* No. 71. of Schroeter's Einleitung.
 111. 5. Is the *Bulimus carinatus* of Bruguiere, which is a species not described by Gmelin: and Petiver's Gazophylacium, t. 104. f. 6. is a copy.
 112. 6. Quoted by Bruguiere as a variety of his *Bulimus carinatus*, but is arranged separately by Schroeter in the Einleitung, and constitutes his species of *Helix* No. 73. Petiver has taken his t. 104. f. 7. from this figure.
 113. 7. *Buccinum Virgineum*. Petiver's t. 104. f. 8. and Martini's Berlin Magazine, t. 10. f. 48. have both been copied from this figure: and our knowledge of the species was wholly derived from it when the Descriptive Catalogue was published; but it has since been described by Mr. Say, with the name of *Paludina Virginica*.
 114. 8. Schroeter considers this and the following figure to be the same species, and they are together quoted in the Einleitung for his *Helix* No. 75. Petiver's t. 106. f. 15. is a copy.
 — 9. Quoted jointly with the foregoing figure by Schroeter, and I am unacquainted with the shell.
 115. 10. *Strombus ater*.
 116. 11. This has been quoted by Muller for his *Nerita lineata*, and by Chemnitz for his *Helix ater*; and it may be doubted, whether both of these are not young shells of *Strombus ater* in somewhat different stages of growth, and with the outer lip still unexpanded. Bruguiere has also quoted this figure both for his *Bulimus terebralis* and his *Bulimus fuscatus*, which are the two corresponding species.

Tab. Fig.

117. 12. Born has erroneously cited this figure for *Helix fuscata*; and it is placed separately by Schroeter in the *Einleitung*, vol. ii. p. 199. *Helix* No. 78. and in the *Flussconchylien*, p. 358. Petiver's t. 105. f. 7. has been copied from it.
118. 13. *Helix cuspidata*.
119. 14. Has been considered by Muller, Schroeter, and Gmelin to be *Helix Vibex*, but is more like a young shell of *Strombus auritus*. I may here remark, that in the *Descriptive Catalogue*, p. 950, under the head of *Helix Vibex*, a reference to Chemnitz, ix. part 2. p. 189. t. 136. f. 1261. and 1262. has been accidentally omitted, and that the reference to the *Berlin Magazine* should be erased.
120. 15. Klein has copied this figure in his *Meth. Ostracolog.* t. 2. f. 38; and Gmelin has followed Martini and Schroeter in placing it as a separate species, with the name of *Murex fuscus*: but it appears to me to be at most only a variety of *Murex torulosus*.
121. 16. *Strombus auritus*; in the same manner as in the foregoing species: the *Murex fasciatus* of Gmelin has been wholly and very unwarrantably constituted from this figure, although he has also quoted it for *Strombus auritus*. The reference to this figure for *Murex torulosus* in the *Descriptive Catalogue* is erroneous, and t. 120. f. 15. should be substituted.
- 17. *Murex fuscatus*.
122. 18. A young shell of *Murex Radula*.
- 19. Is the *Murex* No. 51. of Schroeter's *Einleitung*; and I have not met with any other reference to this figure.
- 20. *Murex Radula*. Gmelin has erroneously quoted this figure for *Strombus aculeatus*; and his *Murex fluviatilis* has been wholly derived from it.
123. 21. *Helix stagnalis*. Both this and the two following figures have been copied by Buonanni in his *Ricreatione*, part 3. f. 53. to 55. from the *Historia Animalium Angliæ*, with a simple correction of the unnatural turn which Lister had given to the whirls; and with this correction the same figures are here again published.
- 22. *Helix auricularia*.
- 23. *Helix putris*.
124. 24. Bruguiere has quoted this figure for a variety of *Helix palustris*, with the following observation: "Lister l'a représentée avec son animal, mais je dois prevenir que si la forme de la coquille convient, celle de l'animal est fautive, à cause des tentacules qu'elle représente linéaires, tandis qu'ils sont effectivement triangulaires et plats, avec les yeux placés intérieurement à leur base." Draparnaud also considers it to be that large variety of *Helix palustris*, which Gmelin has followed Schroeter in arranging as a separate species, with the name of *Helix Corvus*.
125. 25. *Helix Urceus*.
126. 26. *Helix vivipara*.
127. 27. Several authors have followed Muller in quoting this figure for *Helix angularis*; but it is perfectly different, and is the *Paludina decisa* of Mr. Say, with specimens of which from New York I have been favoured by Dr. Mitchell. Petiver, in the *Gazophylacium*, t. 106. f. 18. has copied this figure.
128. 28. *Ampullaria Guyanensis* of Lamarck: which he says differs from *Helix Urceus* "en ce qu'elle n'offre que des stries d'accroissement; son ombilic est en outre plus évasé, et la coloration de son ouverture est différente."
129. 29. *Helix glauca*.
130. 30. Is generally considered to be a variety of *Helix ampullacea*, but has been separated by Mr. Swainson, with the name of *Ampullaria fasciata*.
131. 31. Is the *Helix* No. 83. of Schroeter's *Einleitung*: but it has not been noticed by Gmelin, and I am unacquainted with the species.
132. 32. *Helix tentaculata*: and it has been copied from the *Historia Animalium Angliæ*, t. 2. f. 19. so as only to correct the left-handed appearance of the whirls.
133. 33. *Helix Amarula*.
134. 34. *Bulla fontinalis*: and it has been copied from the *Historia Animalium Angliæ*; except that the figure is inverted, so as to give the whirls their customary turn, in opposition to the generality of shells.
135. 35. *Bulla crassula*; and Petiver's *Gazophylacium*, t. 106. f. 16. is a copy.

Tab. Fig.

136. 40. *Helix Cornu Arietis*.
 137. 41. *Helix cornea*.
 138. 42. *Helix complanata*.
 — 43. *Helix Vortex*.
 139. 44. Constitutes the *Helix* No. 269. of Schroeter's *Einleitung*; and, with this exception, appears to me to be an undescribed species. Petiver, in his *Gazophylacium*, t. 106. f. 19. has copied this figure.
 — 45. *Helix alba*: and Petiver's t. 106. f. 20. is a copy.
 140. 46. *Planorbis trivolvis* of Say; and the *Planorbis eburneus* of Chemnitz, vol. ix. part 2. p. 97. t. 127. f. 1123. if not the same, is nearly allied to this species. In the Descriptive Catalogue I have erred, by following Muller and Gmelin in quoting Lister's figure for *Helix albella*: and Petiver's t. 106. f. 17. is a copy.
 — 47. Schroeter has arranged them separately; but some specimens in my cabinet leave me no doubt that it belongs to the same species as fig. 46.
 141. 38. *Nerita fluviatilis*; and is taken from the *Historia Animalium Angliæ*, t. 2. f. 20.
 — 39. *Patella lacustris*; and the figure is taken from the *Historia Animalium Angliæ*, t. 2. f. 32.
 142. 36. A young shell of *Helix mammillaris*.
 143. 37. *Nerita pulligera*.

FRESHWATER BIVALVES.

146. 1. *Mya Batava*.
 147. 2. *Mya ovata*: and both this and the following figure have been copied from the Appendix to the *Historia Animalium Angliæ*, t. 1. f. 4. and 6.
 — 3. Has been generally quoted for *Mya Pictorum*; but Lamarck suspects that it belongs to another species, which he has named *Unio angusta*.
 148. — A distorted shell of *Mya ovata*.
 149. 4. *Mya margaritifera*: and it has been copied from the Appendix to the *Historia Animalium Angliæ*, t. 1. f. 1.
 150. 5. Is *Mya complanata*; and the *Unio crassidens* of Lamarck, and the *Unio crassus* of Say, may be added to the synonyms of this species.
 151. 6. Is the *Unio nasutus* of Say: and Petiver, in the *Gazophylacium*, t. 105. f. 2. has copied this figure.
 152. 7. Mr. Say has quoted this figure for his *Unio cariosus*; but some American specimens in my cabinet tend to confirm Lamarck's opinion, that it belongs to his *Unio ochraceus*, and that the latter is *Mya radiata*.
 153. 8. *Mytilus anatinus*; and it is an exact copy from the Appendix to the *Historia Animalium Angliæ*, t. 1. f. 2.
 154. 9. *Mytilus fucatus*.
 155. 10. Muller has quoted this figure for his *Mytilus radiatus*, which is probably only a variety of *Mytilus Cygneus*; and it has been quoted, with a mark of doubt, though with greater probability, by Lamarck, for his *Unio purpurata*: but as Lister has not either figured or described the inside, it is almost impossible, with any certainty, to ascertain the species.
 156. 11. *Mytilus Cygneus*: and the figure is taken from the Appendix to the *Historia Animalium Angliæ*, t. 1. f. 3.
 157. 12. *Mytilus fluviatilis*: and the name was first given by Gmelin to a description of this figure.
 158. 13. *Venus paradoxa*, with the epidermis. The *Venus subviridis* of Gmelin has been wholly constituted from this figure; and the *Galathea radiata* of Lamarck, and the *Donax variegata* of Perry, may also be added to the synonyms of this scarce and beautiful species.
 159. 14. *Tellina cornea*.
 — 15. *Tellina pusilla*. The *Tellina Virginica* of Gmelin has been constituted from this figure; and it has been copied by Petiver in his *Gazophylacium*, t. 104. f. 5.
 160. 16. The *Tellina alata* of Gmelin has been constituted from this figure; and it is a variety of *Mya sermatophora*, which is the *Hyria avicularis* of Lamarck. Klein's t. 9. f. 36. is a copy.

MARINE BIVALVES.

- Tab. Fig.
 163. 1. *Ostrea maxima*, lower valve; and it is copied from the *Historia Animalium Angliæ*, t. 5. f. 29.
 165. 2. } *Ostrea Jacobæa*.
 166. 3. }
 167. 4. Quoted by Gmelin, and most other authors, for *Ostrea maxima*, but appears to me to be a variety of *Ostrea nodosa*.
 168. 5. *Ostrea ziczac*.
 168.a.— *Ostrea maxima*, upper valve: and this plate ought obviously to have been numbered 164. and to have followed the other valve of *Ostrea maxima*.
 169. 6. *Ostrea turgida*, with the longer ear imperfect.
 170. 7. Gmelin has described this figure separately, with the name of *Ostrea crenata*; and it appears to me to be *Ostrea lineata*.
 171. 8. *Ostrea Pes Lutra*.
 172. 9. *Ostrea sinuosa*; and Gmelin, who first gave this name to the species, has obviously taken his description entirely from Lister's: the figure has been copied from the *Historia Animalium Angliæ*, t. 5. f. 31. where both the valves are given.
 173. 10. Quoted by Chemnitz, Gmelin, Lamarck, and other authors, for *Ostrea hybrida*, but it appears to me to be *Ostrea oblitterata*.
 174. 11. Erroneously quoted in the *Descriptive Catalogue* for *Ostrea nodosa*, and by a note of Lister's appears to have been intended for the opposite valve of fig. 12.
 175. upper fig. 12. *Ostrea Radula*; and fig. 11. is the other valve.
 175. two lower figures. The *Ostrea crenulata* and the *Ostrea innominata* of Gmelin have been constituted from these two figures, and they are both varieties of *Ostrea pellucens*.
 176. 13. *Ostrea scabra*: and Klein's t. 9. f. 32. and 33. are copies.
 177. 14. *Ostrea fasciata*.
 178. 15. Has been quoted generally for *Ostrea varia*, but appears to me to be a white variety of *Ostrea sanguinea*.
 179. 16. *Ostrea Nucleus*.
 180. 17. From this figure Schroeter has constituted the *Ostrea* No. 32. of his *Einleitung*, which is the *Ostrea subrufa* of Gmelin; and Dr. Turton, in his edition of the *Systema*, has changed the name to *Ostrea rufescens*: it is however obviously nothing more than *Ostrea varia*, in one of its most common appearances.
 181. 18. Has been quoted by several authors for *Ostrea Pusio*, but is certainly one of the almost endless varieties of *Ostrea varia*.
 182. 19. In a note of Lister's, this figure and t. 192. f. 29. are said to be the two valves of the same shell; and Gmelin has notwithstanding followed Schroeter in quoting the former as a variety of *Ostrea gibba*, and in constituting a separate species from the latter, with the name of *Ostrea dubia*, although they obviously belong to *Ostrea opercularis*.
 183. 20. The *Ostrea* No. 34. of Schroeter's *Einleitung*, which is the *Ostrea squamata* of Gmelin, has been described entirely from this figure, and it is probably a variety of *Ostrea imbricata*.
 184. 21. The *Ostrea* No. 35. of Schroeter, and both the *Ostrea squamosa* and the *Ostrea anonyma* of Gmelin have been derived from this figure, which is considered by Lamarck to be a variety of *Ostrea hybrida*: these two of Gmelin's species, and this figure, have been erroneously quoted in the *Descriptive Catalogue* for *Ostrea pellucens*.
 185. 22. *Ostrea sanguinea*.
 186. 24. *Ostrea nodosa*.
 187. 25. *Ostrea Pallium*.
 188. 26. Schroeter from this figure has constituted his *Ostrea* No. 36. which is the *Ostrea decemradiata* of Gmelin: but Lister in a note says, that it is the opposite valve of figure 24; and it has the appearance of a young shell of *Ostrea nodosa*.
 189. 23. Quoted by Gmelin for *Ostrea Pusio*, but is certainly a variety of *Ostrea varia*.
 190. 27. } *Ostrea opercularis*.
 191. 28. }

- Tab. Fig.
192. 29. Gmelin has quoted this figure for *Ostrea opercularis*, of which it appears to me to be a variety, and from it his *Ostrea dubia* has also been constituted: Brocchi, in the "Conchiologia fossile subapennina," however, considers it to be distinct, and has quoted this figure for a fossil species, for which he has retained the name of *Ostrea dubia*.
193. 30. In the Descriptive Catalogue I have followed Born, Chemnitz, Gmelin, and Shaw, as well as some other naturalists, in quoting this and the following figure for *Ostrea denticulata*, but am far from certain that it is more than a variety of *Ostrea edulis*: it has been copied from the Historia Animalium Angliæ, t. 4. f. 26.
194. 31. Same as fig. 30: and it has been copied by Klein in his Methodus Ostracolog. t. 8. f. 21.
197. 32. } *Mytilus Frons*.
198. 32. a. }
199. 33. Is the *Perna Vulsella* of Lamarck, and has been generally considered to be a variety of *Ostrea Perna*.
200. 34. } *Ostrea Virginica*.
201. 35. }
202. 36. } *Anomia undulata*: and the former is a copy from the Historia Animalium Angliæ,
203. 37. } t. 4. f. 27. where both the valves are figured.
204. 38. *Anomia Ephippium*.
205. 39. *Anomia electrica*.
206. 40. } *Spondylus Gædaropus*.
207. 41. }
208. 42. *Spondylus costatus* of Lamarck, and has been generally considered to be a variety of *Spondylus Gædaropus*.
209. 43. A worn shell of *Spondylus plicatus*.
210. 44. Is a species separated from *Spondylus plicatus* by Lamarck, with the name of *Plicatula cristata*.
211. 45. From this the *Anomia Spondyloides* of Gmelin has been wholly derived, and it is probably a coarsely executed figure of some fossil Terebratula. Klein's t. 12. f. 82. and 83. are copies.
- 46. *Anomia Psittacea*; and Klein's t. 12. f. 84. and 85. are copies.
212. 47. *Chama Gryphoides*.
213. 48. *Chama sessilis*. In the Descriptive Catalogue I have arranged the *Chama squamosa* of Chemnitz as the same species, and have since ascertained that it is distinct. Klein, in the Methodus Ostracolog. has copied this figure, t. 12. f. 86.
214. 49. Lister has copied these figures from Columna "de Purpura," p. 30; and they represent, in two different points of view, the same valve of *Chama cornuta*: and their having been mistaken for two opposite valves, has given rise to the badly constituted Linnean species of *Chama bicornis*. They have been copied in tab. 12. of Klein's Methodus Ostracolog. and in several other conchological works. The *Chama bicornis* of Bruguiere is quite different, and is a fossil to which Lamarck has given the name of *Diceras arietina*.
215. 50. A variety of *Chama Gryphoides*.
- 51. Is a variety either of *Chama Gryphoides* or of *Chama lamellosa*: and Klein, at t. 12. f. 81. of the Methodus Ostracolog. has copied this figure.
216. 52. } *Chama lamellosa*.
217. 53. }
219. 54. *Ostrea Malleus*.
220. 55. Belongs to the *Mytilus Hirundo* of Linneus, which has lately been divided into many species, and the present figure is the *Avicula semi-sagitta*, of Lamarck.
221. 56. *Mytilus margaritiferus*; and it has been copied by Lister from a figure at p. 41 of the Museum Calceolarianum.
223. 57. } Variety of *Mytilus margaritiferus*.
224. 58. }
- 59. A variety of *Mytilus Hirundo*. Lister has copied this figure from a work by Columna, entitled, "Aquatilium et Terrestrium aliquot Animalium aliarumque Naturalium rerum Observationes;" and it has been again copied by Petiver in his

Tab. Fig.

- Gazophylacium, t. 152. f. 2.; and by Klein, at t. 9. f. 38. of his Methodus Ostracolog.
225. 60. } *Anomia Placenta*.
226. 61. }
227. 62. *Ostrea Ephippium*: and Klein's t. 8. f. 18. is a copy.
228. 63. *Ostrea Perna* has been divided by Lamarck into two species, and this is his *Perna sulcata*; and, according to Schroeter, it is the *Ostrea semiaurita* of Linneus. Klein's t. 8. f. 19. and 20. are copies.
229. 64. Gmelin has followed Schroeter in describing this figure as a separate species, with the name of *Arca Jamaicensis*; but it is most probably nothing more than rather a coarse representation of *Arca candida*.
230. 64. a. *Arca antiquata*.
231. 65. Bruguiere, whose references as well as descriptions are generally very accurate, has erroneously quoted this figure both for *Arca barbata* and for *Arca fusca*, and it belongs to the latter species.
233. 66. Is *Arca indica*: and I may here remark, that the *Arca rhomboidalis* of Chemnitz, which in the Descriptive Catalogue I have followed Gmelin in arranging as a variety, is a perfectly distinct species.
233. 67. *Arca reticulata*.
234. 68. *Arca corbicula* of Lamarck: and in the Descriptive Catalogue I have followed Gmelin in placing this species as a variety of *Arca Corbula*. Klein's t. 10. f. 43. and 44. are copies.
235. 69. *Arca lactea*.
236. 70. In the Systema Naturæ, Linneus has quoted this figure for *Arca antiquata*; but that species, in the "Museum Lud. Ulricæ," is described with about thirty-four ribs, and the area between the summits flat: I therefore consider Lister's t. 230. which is the *Arca Scapha* of Gronovius, to be the *Arca antiquata*; and the shell here figured, though nearly allied, is a separate species: it differs in being narrower in proportion to the length, and less rhomboidal in its form; in having not more than about twenty-seven ribs, which are more convex, and bifid only on the posterior side; the umbones also are more obliquely recurved, and the area between the summits is not flat, but slants considerably towards the middle. In my MS. it stands with the name of *Arca Cymbula*, and the following are its synonyms: *Arca antiquata* of Born, Solander, and Lamarck; *Arca antiquata* Var. b. of Bruguiere; and *Arca Scapha* Var. of Chemnitz, vol. v. p. 205. t. 55. f. 549.
237. 71. *Arca Campechensis*; and Gmelin's description of the species is wholly derived from this figure,
238. 72. *Arca senilis*.
239. 73. *Arca Pectunculus*.
— 81. *Arca nummaria*; and Klein's t. 10. f. 41. has been copied from this figure.
240. 77. *Arca pilosa*.
241. 78. Is the *Arca nodulosa* of Solander's MS. but I doubt whether this is more than a variety of *Arca granosa*. A specimen which I bought from Mr. Humphreys, whose shells are often sold under Solander's names, differs only in being rather longer in proportion to the breadth, and in having the nodules much less numerous. Klein's t. 10. f. 45. and 46. have been obviously borrowed from these figures.
242. 79. *Arca granosa*.
243. 74. *Arca pectinata*.
244. 75. *Arca rhombea*.
245. 76. *Arca angulosa*.
246. 80. *Arca scripta*.
247. 82. *Arca Glycymeris*.
249. 83. *Cardium serratum*.
250. 84. I cannot find any reference to this figure, except one with a mark of doubt in Da Costa's British Conchology, for his *Trigonella Gallina*: but it has much more the look of a shell which usually passes for a variety of *Venus Meretrix*, and which is the *Cytherea petechialis* of Lamarck.
251. 85. *Venus mactroides*.

- Tab. Fig.
 252. 86. *Venus tripla*.
 253. 87. *Mactra truncata*. In the *Historia Animalium Angliæ* both the valves are figured, and Lister has here only copied one of them. Buonanni, in the *Ricreatione*, part 2. f. 51. and 54. has copied both valves; and Gmelin has quoted the former figure for *Mactra solida*, and from the other valve has most absurdly constituted a separate species, with the name of *Venus rugata*.
 — 88. *Mactra Listeri* of Gmelin; and this species in the *Descriptive Catalogue* has been confounded with the *Mactra piperata* of Poirer, to which it is very nearly allied: but Lamarck says they are distinct, and that the latter “est plus aplatie et moins arrondie.” Dr. Turton has named the former shell *Listera compressa*, in honour, as he says, of “the coryphæus of all systematic conchology:” but the same tribute to the memory of Dr. Lister had long before been paid by Mr. Brown; and the name of *LISTERA* is in common use for a genus of the *Orchideæ*. The specific name of *Listeri* was first given to this shell by Gmelin; and his description is taken entirely from the *Historia Animalium Angliæ*, where both the valves are figured, although one of them only has been copied here. Buonanni, in his *Ricreatione*, part 2. f. 52. and 55. on the contrary, has copied both valves; and Gmelin has quoted one of them jointly with fig. 51. for *Mactra solida*, and from the other valve his *Venus gibbula* has been wholly derived.
 254. 89. *Venus Pectunculus*.
 255. 90. Lister’s opinion has been adopted by Schroeter and Gmelin, that this is only a variety of the preceding species, fig. 89: but in Solander’s MS. it has been quoted for *Venus opima*, which is a separate species, and is altogether different from the *Venus opima* of Gmelin.
 256. 91. *Venus Pectunculus*: and the name thus retained was given by Gmelin to one of Schroeter’s species, which was constituted entirely from this and the two following figures.
 257. 92. } Varieties of *Venus Pectunculus*.
 — 93. }
 258. 94. This shell is generally considered to be a variety of *Venus castrensis*, but has been arranged separately by Lamarck, with the name of *Cytherea ornata*.
 259. 95. Is the *Venus ornata* of the *Descriptive Catalogue*: but the *Cytherea ornata* above mentioned is a different species, and this is the *Cytherea picta* of Lamarck.
 260. 96. *Venus edentula*.
 261. 97. Has been quoted by Born, Gmelin, and Lamarck for *Venus concentrica*, which it much resembles in an early stage of growth; but Lister describes it from the Mauritius, and it is therefore more likely to be either a bleached shell or white variety of *Venus Histrio*.
 262. 98. *Venus castrensis*.
 263. 99. Lamarck has twice mentioned this figure as probably belonging both to his *Cytherea albina* and his *Cytherea immaculata*; and it has been quoted by Schroeter and Gmelin for *Mactra rotundata*, which is a very uncertain species.
 264. 100. Lister has expressed a suspicion, that this may belong to the same species as fig. 99; and it has therefore been quoted by Gmelin, with a mark of doubt, for a variety of *Mactra rotundata*, but it is more probably a variety of *Tellina crassa*.
 265. 101. *Tellina fausta*.
 266. 102. Is the *Tellina lævis* of Wood: and it may be doubted whether this is more than a variety of *Tellina Remies*.
 267. 103. Is most probably a variety of *Tellina fausta*, and has been quoted by Lamarck for his *Tellina striatula*.
 268. 104. *Venus Erycina*.
 269. 105. Probably, on account of its being marked on the authority of Mr. Llwyd for an English species, this figure has been generally quoted for *Venus Chione*, but it is more like *Venus exalbida*, of which Lamarck says “sans être fossile, en a l’apparence.” Dr. Turton considered it to be a fossil of the former species: but if a fossil, it is more likely to be the *Venus angulata* of Sowerby.
 270. 106. *Venus maculata*.

- Tab. Fig.
 271. 107. *Venus mercenaria*.
 272. 108. *Venus Islandica*; and it is taken from the Historia Animalium Angliæ, t. 4. f. 22.
 273. 109. From this Schroeter has constituted his *Venus* No. 56; which is the *Venus albida* of Gmelin, and it is a very uncertain species.
 274. 110. Gmelin, in a note at p. 3284, has questioned, whether it is deserving of notice; and afterwards has quoted this figure for a variety of his *Venus albida*.
 275. 111. *Chama Cor*; and Lister has copied the lowermost figure from Buonanni, Ricerche, part 2. fig. 88.
 277. 114. *Venus Dysera*; and Klein, in his Methodus Ostracolog. t. 10. f. 48. and 49. has copied these figures.
 278. 115. *Venus cingenda*.
 279. 116. *Venus Paphia*.
 280. 117. Quoted by Gmelin, with a mark of doubt, for a variety of *Venus Dysera*; and I believe it to be a perfectly distinct and undescribed species.
 — 118. Referred to, with a mark of doubt, by Gmelin for *Venus Marica*; by Lamarck for *Venus granulata*; and by Dr. Solander for another species, to which he gave the name of *Venus radula*.
 281. 119. It appears by the Systema Naturæ, that Linneus was indebted for his knowledge of *Venus flexuosa* to Dr. Solander: and this accurate conchologist, in his MS. description of the species, has given a reference to the present figure of Lister's, and to Petiver's Gazophylacium, t. 25. f. 9. It is however quite distinct from the shell which Born, Chemnitz, Schroeter, Gmelin, and Lamarck have described for the Linnean *Venus flexuosa*, and this latter is the *Venus rostrata* of Solander: most of the abovementioned authors have erroneously quoted Lister's figure for *Venus Gallina*.
 282. 120. *Venus Gallina*.
 283. 121. Gmelin's description of *Venus Campechiensis* has been wholly taken from this figure, and it appears to me to be *Venus crenulata*.
 284. 122. *Venus verrucosa*.
 285. 122. a. Schroeter and Gmelin have quoted this rather uncertain figure for *Venus Dysera*, but Lister considered it to be the same as fig. 123. a. and it is therefore more likely to be a variety of *Venus castrensis*.
 286. 123. *Venus rigida*.
 287. 123. a. *Venus castrensis*.
 288. 124. *Venus concentrica*.
 289. 125. Is a variety of the *Venus lincta* of Solander.
 290. 126. *Venus lincta* of Solander; which is generally considered to be a variety of *Venus exoleta*, but has been arranged separately by Lamarck, with the name of *Cytherea lincta*.
 291. 127. } *Venus exoleta*.
 292. 128. }
 293. 129. Variety of *Venus exoleta*.
 294. 130. *Venus excisa*.
 295. 131. Is probably the *Cytherea rufa* of Lamarck, which is a species very nearly allied to *Venus Juvenis*.
 — 132. *Venus sulcata*.
 296. 133. *Venus spuria*.
 297. 134. *Tellina rotundata*.
 298. 135. A young shell of *Venus Jamaicensis*.
 299. 136. *Tellina crassa*; and from this figure Gmelin's description of *Venus crassa* has been entirely derived.
 300. 137. The *Tellina pectinata* of Gmelin has been improperly constituted from this figure, and it is *Venus Jamaicensis*.
 301. 142. *Tellina divaricata*.
 302. 143. *Tellina scobinata*.
 303. 144. The *Venus purpurascens* of Gmelin has been constituted from this figure; and it is probably the *Cytherea tigrina* of Lamarck, which is a species very nearly allied to *Venus Pectunculus*.

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- Tab. Fig.
304. 145. Quoted by Gmelin for a variety of his *Venus purpurascens*, and is a doubtful figure. Klein's t. 11. f. 57. is a copy.
305. 138. *Venus Pensylvanica*.
306. 139. *Venus circinata*; and from this figure Gmelin has erroneously followed Schroeter in describing a separate species, with the name of *Venus rubra*.
307. 140. *Venus Dione*.
308. 141. Is the *Venus* No. 66. of Schroeter's *Einleitung*; and if more than a variety, is nearly allied to *Macra plicataria*.
310. 146. *Venus divaricata*.
311. 147. The *Venus* No. 63. of Schroeter's *Einleitung*, which is the *Venus pusilla* of Gmelin, is wholly described from this figure; and it is quoted by Adanson for "Le Jagon," which is the *Venus eburnea* of Gmelin. The same shell has been figured as a *Tellina* in the *Encyclopédie Méthodique*, t. 292. f. 7. and I am not otherwise acquainted with the species.
312. 148. *Venus discors*.
313. 149. *Venus pectinata*.
314. 150. *Cardium pectinatum*.
315. 151. *Cardium Unedo*.
— 152. *Cardium Fragum*.
316. 153. *Cardium medium*.
317. 154. *Cardium exiguum*; and the name was first given by Gmelin to a species which Schroeter had constituted from this figure.
318. 155. *Cardium Cardissa*.
319. 156. *Cardium humanum*.
320. 157. *Cardium roseum*.
321. 158. *Cardium aculeatum*.
322. 159. *Cardium muricatum*.
323. 160. *Cardium Isocardia*. This figure appears to have been engraved by simply tracing Buonanni's fig. 95. on the copper; and it has again been copied from Lister by Petiver in his *Gazophylacium*, t. 152. f. 7.
324. 161. *Cardium echinatum*; and it is copied from the *Historia Animalium Angliæ*, t. 5. f. 33.
325. 162. A young shell of *Cardium echinatum*.
326. 163. Variety of *Cardium muricatum*.
327. 164. *Cardium costatum*; and Lister has copied this figure from one at p. 27 of *Columna "de Purpura"*.
328. 165. *Cardium maculatum*; and the name was first given by Gmelin to a description which Schroeter had taken from this figure.
329. 166. *Cardium tuberculatum*.
330. 167. *Cardium ringens*.
331. 168. *Cardium leucostomum*.
332. 169. *Cardium levigatum*.
333. 170. *Cardium rusticum*.
334. 171. *Cardium edule*; and is taken from the *Historia Animalium Angliæ*, t. 5. f. 34.
335. 172. Is quoted by Lamarck for his *Venus Corbis*, which is a species nearly allied to *Venus reticulata*; and Klein, in his *Methodus Ostracolog.* t. 10. f. 54. has copied this figure.
336. 173. *Venus puerpera*.
337. 174. *Venus tigerina*.
338. 175. *Venus granulata*; and Gmelin has followed Schroeter in describing this figure as a separate species, with the name of *Venus violacea*.
339. 176. *Tellina carnaria*.
340. 177. From this uncertain figure the *Venus* No. 69. of Schroeter's *Einleitung*, and the *Venus spadicea* of Gmelin, have been constituted; and by Meuschen, in the *Museum Geversianum*, No. 1621, it is quoted for *Cardium ciliare*.
341. 178. Is probably a variety of *Venus puerpera*.
342. 179. *Solen bullatus*.
343. 180. Schroeter's *Cardium* No. 20. which is the *Cardium flexuosum* of Gmelin, has been wholly constituted from this figure. But though not well executed, it appears

Tab. Fig.

- to me to have been intended for a shell which in the Descriptive Catalogue has been confounded with *Chama Ajar*, and which Lamarck has separated with the name of *Cardita turgida*.
344. 181. *Chama trapezia*; and Gmelin has erroneously followed Schroeter in describing this figure as a separate species, with the name of *Venus cancellata*.
345. 182. Gmelin has followed Schroeter, and constituted his *Venus Bengalensis* from this figure; but it is more likely to be a *Chama*.
346. 183. Though not well executed, it probably belongs to *Chama antiquata*, and has been quoted for that species by Bruguiere and Lamarck. Klein's t. 10. f. 41. is a copy; and from these two figures the *Venus* No. 53. of Schroeter's *Einleitung*, and the *Venus rostrata* of Gmelin, have been constituted.
347. 184. *Chama calyculata*.
- 185. *Chama Pectunculus*.
348. 186. Dr. Solander has given this reference for his *Venus costata*, and he must thereby have intended the uppermost of the two figures; for the lowermost is different, and has all the appearance of a *Chama*. The *Venus costata* of Solander is however quite different from either of the two species which have been described by Gmelin and Chemnitz with the same name.
349. 187. } *Chama Hippopus*; and the latter has either been engraved from Buonanni, Ri-
350. 188. } creatione, part 2. fig. 81. or they have both been copied from the same figure
in some other work.
351. 189. } *Chama Gigas*; and the former is a copy from Buonanni, part 2. f. 53.
352. 189. b. }
353. 190. This shell has been generally considered to be a variety of *Chama Gigas*; but has been separated by Lamarck, and it is his *Tridacna crocea*.
354. 191. A variety of *Chama Gigas*. This figure has been copied by Lister from Columna, "Observationes," p. 12; and again from Lister by Klein, t. 10. f. 53.
355. 192. Though rather a bad figure, it has been certainly intended for *Chama arcinella*; and is nothing like *Ostrea Lima*, which name it has received from Dr. Huddesford. Lister has copied the lower figure from Buonanni, *Ricreatione*, part 2. f. 336.
356. 193. *Mytilus bidens*.
- 194. These are badly defined figures, but have been quoted by Solander for his *Mytilus sacculus*; and this I believe to be the *Mytilus ovalis* of Lamarck. Klein's t. 12. f. 78. and 79. are copies.
- 195. *Mytilus Modiolus*; but is far from a good figure; and has been referred to by Dr. Huddesford both for this species and for *Mya Perna*.
357. 195. b. Variety of *Mytilus bilocularis*.
358. 196. *Mytilus demissus*.
359. 197. *Mytilus fuscus*; and the name was first given by Gmelin to a description of this figure.
- 198. Is a species which has been separated from *Mytilus Modiolus* by Lamarck, with the name of *Modiola Tulipa*; and to this figure Dr. Huddesford has most strangely given the name of *Mya arctica*.
360. 199. *Mytilus canalis* of Lamarck; which in the Descriptive Catalogue I have followed other authors in confounding with *Mytilus unguatus*.
361. 199. b. Has been copied by Klein, t. 9. f. 27; and from these figures the *Mytilus* No. 26. of Schroeter's *Einleitung*, and the *Mytilus mammarius* of Gmelin, have been constituted. No other author has noticed it; and I can only conjecture, that it may be a shell of *Mytilus Modiolus* encrusted with zoophytes, and other marine productions.
362. 200. *Mytilus edulis*.
- 201. Is probably a young shell of *Mytilus latus*.
- 202. *Mytilus Hesperianus* of Lamarck, which is the *Mytilus pallidus* of Solander; and when the Descriptive Catalogue was published, I was unacquainted with the species.
363. 204. Appears to me to be *Mytilus unguatus*; but has been quoted by Lamarck, with a mark of doubt, for his *Mytilus opalus*.
364. 203. *Mytilus Perna*.

Tab. Fig.

365. 205. *Arca Modiolus*.
366. 206. *Mytilus exustus*; and Petiver, in his *Gazophylacium*, t. 153. f. 3. has copied this figure.
367. 207. *Arca imbricata*; and Klein's t. 11. f. 69. and 70. are copies.
368. 208. *Arca Noë*; and it has been copied from Buonanni, *Ricreatione*, part 2. fig. 32.
369. 209. Is probably an old shell of *Arca Noë* encrusted with zoophytes.
370. 210. *Pinna muricata*.
371. 212. *Pinna saccata*.
372. 213. A variety of *Pinna squamosa*.
373. 214. *Pinna rudis*.
374. 215. *Pinna squamosa*.
375. 216. *Donax rugosa*; and Klein's t. 11. f. 61. is a copy.
376. 217. *Donax Trunculus*.
- 218. *Donax denticulata*.
- 219. *Donax striata*.
377. 220. *Donax Scortum*.
378. 221. *Venus Meroe*.
379. 222. } *Donax scripta*.
380. 223. }
381. 224. Most authors have followed Lister in considering this to be a variety of *Donax scripta*.
382. 225. *Tellina rostrata*. Dr. Solander considered the *Tellina pallescens* of the Descriptive Catalogue to be the Linnean *Tellina rostrata*, and he has cited the present figure for his *Tellina elongata*.
383. 226. *Tellina angusta*; and the species, as it stands in Gmelin, has been wholly taken from this figure.
384. 227. Is *Donax complanata*; and from this figure the *Tellina* No. 31. of Schroeter's *Einleitung*, and the *Tellina variegata* of Gmelin, have been wholly derived.
385. 232. *Venus Sarniensis* of Turton.
386. 233. *Tellina Madagascariensis*; and the name was first given by Gmelin to a simple description of this figure.
387. 234. *Tellina marginalis*.
388. 235. Quoted by Chemnitz, Schroeter, and Gmelin, jointly with t. 406. f. 252. for *Tellina angulata*; and Lister, on the other hand, has expressed a doubt whether it is distinct from the preceding figure 234.
389. 228. *Donax plebeia*.
390. 229. The *Venus* No. 75. of Schroeter's *Einleitung*, and the *Venus Virginica* of Gmelin, have been constituted from this figure; and it is probably nothing more than a variety of *Tellina fragilis*, for which it has been quoted by Dr. Turton.
391. 230. This figure has been erroneously described by Gmelin as a separate species, with the name of *Tellina purpurascens*; and it is a variety of *Donax lævigata*, with the outer as well as inner surface of an uniform purplish colour.
392. 231. *Donax cuneata*.
393. 240. *Tellina radiata*.
394. 241. *Tellina Ferröensis*; and it is copied from the Appendix to the *Historia Animalium Angliæ*, t. i. f. 8.
395. 242. *Tellina planata*. Klein's t. 10. f. 56. is a copy.
396. 243. Gmelin has followed Schroeter in describing this figure as a separate species, with the name of *Venus cruentata*; and a similar shell, which I have received from the Mediterranean, differs principally from *Venus Gallina* in having the transverse striæ more remote. At t. 10. f. 50. of his *Methodus Ostracolog.* Klein has copied this figure.
397. 236. *Solen sanguinolentus*.
398. 237. *Tellina pallescens*.
399. 238. *Tellina interrupta*. Although Gmelin has not quoted Lister, his *Tellina aspera* is taken from the *Tellina* No. 38. of Schroeter's *Einleitung*, and has been entirely derived from this figure.
400. 239. *Venus undulata*.
401. 244. From this rather uncertain figure the *Tellina triangularis* of Gmelin has been con-

Tab. Fig.

- stituted, but the *Tellina triangularis* of Chemnitz is quite different: this has more of the appearance of a *Mactra*.
401. 245. Is probably a worn shell of *Mactra striata*.
402. 246. *Venus litterata*.
403. 247. *Venus virginea*.
404. 248. Quoted erroneously in the Descriptive Catalogue for *Venus virginea*, and is *Venus geographica*; which Dr. Turton considers to be of the same species as *Venus aurea*, but it is constantly much more oblong.
- 249. *Venus aurea*; and the name was originally given by Gmelin to a description of this figure.
405. 250. *Tellina zonata*.
- 251. *Tellina Balaustina*.
406. 252. *Tellina angulata*.
407. 253. From this figure the *Tellina* No. 43. of Schroeter's *Einleitung*, and the *Tellina lata* of Gmelin, have been constituted; and Meuschen, in the Museum Gever-sianum, has quoted it for another uncertain species, with the name of *Tellina Nucleus-Acaciæ*.
408. 254. The *Tellina* No. 44. of Schroeter, which is the *Tellina Jamaicensis* of Gmelin, has been wholly derived from this figure; and I rather doubt whether it is more than a variety of *Tellina fragilis*.
409. 255. *Solen Siliqua*; and this figure is taken from the *Historia Animalium Angliæ*, t. 5. f. 37.
410. 256. *Solen Vagina*.
411. 257. *Solen Ensis*; and it is taken from the Appendix to the *Historia Animalium Angliæ*, t. 2. f. 9.
412. upper fig. *Solen Siliqua*, with the animal.
- lower fig. *Solen truncatus*; and in the Portland Catalogue, lot 1005, this figure has been quoted for the *Solen pallidus* of Solander, which is the same species.
413. upper fig. Variety of *Solen Vagina*.
- lower fig. Full grown shell of *Solen Ensis*.
414. 258. *Mya Glycymeris*.
415. 259. *Mactra lutraria*.
416. 260. *Solen strigilatus*.
417. 261. *Tellina albida*.
418. 262. } *Mya arenaria*.
419. 263. }
420. 264. *Solen Legumen*.
421. 265. The species to which this figure belongs has been generally confounded with *Solen strigilatus*, but is perfectly distinct, and is the *Solen plebeius* of Solander, and the *Solen Caribæus* of Lamarck. Dr. Turton has also quoted this figure for a shell which has been picked up in the Scilly islands, and to which he has given the name of *Psammobia declivis*.
422. 266. *Solen radiatus*.
423. 271. Is obviously *Venus decussata*; and yet the *Venus fusca* and the *Venus obscura* of Gmelin have both been constituted entirely from this figure.
424. 272. Dr. Solander considered this figure, from which the *Venus* No. 80. of Schroeter, and the *Venus purpurata* of Gmelin have been constituted, to be only an accidentally deformed shell of *Venus deflorata*.
425. 273. *Venus deflorata*.
426. 267. *Solen minutus*.
427. 268. *Mytilus lithophagus*.
428. 269. *Mya truncata*.
429. 270. Variety of *Mya truncata*.

MULTIVALVES.

431. 274. *Pholas orientalis*.432. 275. The *Pholas* No. 2. of Schroeter's *Einleitung*, and the *Pholas Campechiensis* of

- Tab. Fig. Gmelin have been derived wholly from this figure: and it appears to differ only from *Pholas candida* in being larger, and rather broader in proportion to the length.
433. 276. *Pholas Dactylus*; and is taken from the Appendix to the Historia Animalium Angliæ, t. 2. f. 3.
434. 277. *Pholas costata*.
435. 278. *Pholas candida*.
436. 279. These figures, as well as t. 435. have been copied from the Appendix to the Historia Animalium Angliæ; and the uppermost figure is *Pholas crispata*, and the other *Pholas candida*.
437. — Quoted by Gmelin for *Mytilus lithophagus*, but it is more like *Mytilus ambiguus*; and I should have considered it to be the latter species, if it had not been placed by Lister among the Multivalves.
439. 280. *Lepas fascicularis*.
- 281. *Lepas pollicipes*; and Klein, in the Methodus Ostracolog. t. 12. f. 91. has copied this figure.
- 282. *Lepas dentata*; and Klein's t. 12. f. 92. is a copy.
440. 283. *Lepas anserifera*; and Klein's t. 12. f. 93. is a copy.
442. 284. This species is unnoticed in the Descriptive Catalogue; and it is the *Balanus ponderosus* of Solander, and the *Balanus latus* of Lamarck. Klein's Methodus Ostracolog. t. 12. f. 96. and Petiver's Gazophylacium, t. 153. f. 12. have been copied from this figure.
443. 285. Referred to by Lamarck for his *Balanus cylindraceus*; which is probably the same as Gmelin's *Lepas cylindrica*, and the *Balanus Tulipa* of Solander: I however doubt whether either of these is more than a variety of *Lepas Tintinnabulum*, for which species this figure has been quoted by almost every author except Lamarck. Klein's t. 12. f. 97. is a badly executed copy.
- 286. *Lepas Balanus*.
444. 287. *Lepas striata*; and Klein's t. 12. f. 96. and 97. are copies.
445. 288. *Lepas Diadema*; and Klein, in his Methodus Ostracolog. t. 12. f. 98. has copied the uppermost figure.

FOSSIL BIVALVES AND MULTIVALVES.

447. 1. Is the *Anomia Pecten* of Linneus, and *Pecten papyraceus* of Sowerby. Lister has taken this figure from the Historia Animalium Angliæ, t. 9. f. 49; and it has been again partially copied by Petiver in his Gazophylacium, t. 51. f. 8; and also in the Encyclopédie Méthodique, t. 244. f. 8: in the latter work it is placed among the Terebratulæ.
448. 2. Is the upper valve of a Productus.
449. 4. *Terebratula media* of Sowerby.
- 5. Much resembles Walcott's fig. 30. of the "high waved Cockle;" and is considered by Mr. Geo. Sowerby to be the *Terebratula obliqua* of his father's Mineral Conchology.
450. 6. *Terebratula pectita* of Sowerby.
- 7. *Terebratula tetraëdra* of Sowerby.
- 8. I have seen this shell in some limestone from Ledbury; and Mr. Miller informs me, that it is the *Terebratulites priscus* of Von Schlotheim.
451. 9. Is the *Inoceramus sulcatus* of Parkinson and Sowerby; and both this and the following figure have been erroneously quoted by Lamarck for his *Pecten ver-sicostatus*.
452. 10. A variety of *Inoceramus sulcatus*.
453. 11. Lister has copied this figure from Columna de Purpura, p. 22; and it has been again copied by Klein in his Meth. Ostracolog. t. 11. f. 75. It is quoted by Linneus, in the Systema Naturæ, for *Anomia lacunosa*; which is an uncertain species, and I have not met with any shell like it.
- 12. *Terebratula ovoides* of Sowerby; and this as well as the preceding figure has been copied from Columna de Purpura, p. 22.

Tab. Fig.

454. 13. *Terebratula intermedia* of Sowerby.
 — 14. In shape resembles the *Terebratula ornithocephala* of Sowerby, but is much more depressed longitudinally in the middle.
455. 15. *Terebratula carnea* of Sowerby.
456. 16. *Terebratula digona* of Sowerby.
457. 16. b. Is the *Terebratula minor*, *subrubra*, *sive vulgaris*, *coloris hepatici* of Lhwyd, t. 11. f. 829. and the *Terebratula hepatica* of Mr. Miller's MS.
458. 17. An inside cast of a *Terebratula*.
 — 18. *Terebratula lineata* of Sowerby.
459. 19. *Terebratula semiglobosa* of Sowerby.
 — 20. Is the *Terebratula coarctata* of Parkinson and Sowerby; and by his reference to the Encyclopédie Méthodique, t. 245. f. 4. the *Terebratula decussata* of Lamarck appears to be the same species.
460. 21. *Inoceramus concentricus* of Parkinson and Sowerby.
461. 22. A variety of the *Pecten fibrosus* of Sowerby.
462. 23. Is probably a *Spirifer*; and the figure has been quoted by Chemnitz, Gmelin, Lamarck, and several other authors, for *Anomia truncata*, which it imperfectly resembles.
463. 24. Is most probably an undescribed species of *Spirifer*.
464. 25. Mr. Miller informs me, that this is the *Productus sinuosus* of his MS. and that the hinge is figured in Parkinson's Organic Remains, t. 9. f. 9: he says, that "in its early stage of growth it is straight at the hinge, and semicircular, with one valve slightly convex, and the other somewhat concave; and that both valves are ornamented with concentric ridges and fine radiating striæ: on getting old, the margin assumes an irregular form, and bends upwards, so as to give a sort of rim to both the valves." It occurs in transition limestone.
465. 25. b. Is the *Tridacna pustulosa* of Lamarck, and the *Productus giganteus* of Sowerby.
466. 26. *Pecten Lens* of Sowerby; and the species in Jameson's edition of Cuvier's Theory is called *Chamites auritus*. Lister has copied both this figure and t. 9. f. 51. of his Historia Animalium, from Plot's Natural History of Oxfordshire, t. 4. f. 11.
467. 26. b. Is arranged as a variety of *Tridacna pustulosa* "testa transversim brevior" by Lamarck; but Mr. Miller considers it to be a separate species: and it is the *Productus crassus* of his MS. and the *Anomites crassus* of Martin.
468. 27. *Productus comoides* of Sowerby.
469. 27. b. Is the *Pecten multiradiatus* of Lamarck, and the *Pecten equivalvis* of Sowerby.
470. 28. Is the *Pecten asper* of Lamarck; and the *Pecten asper* of Sowerby is probably a variety of the same species. Parkinson, in his Organic Remains, vol. iii. p. 323, has quoted this figure for a shell which is found in the green sand of Wiltshire; and it is called *Pecten echinatus* by Conybeare and Phillips.
471. 29. Is probably an undescribed shell; and without some knowledge of the hinge, it is impossible to ascertain which genus it belongs to.
472. 30. A similar shell is figured as a *Terebratula* in the Encyclopédie Méthodique, t. 246. f. 3. and I am unacquainted with the species.
473. 31. Is the upper or flat valve of the *Productus latissimus* of Sowerby.
474. 32. *Avicula echinata* of Smith and Sowerby.
475. 33. *Avicula costata* of Smith and Sowerby.
476. 34. *Plagiostoma pectinoides* of Sowerby.
477. 34. b. Is the inside cast of a *Perna*; which, with the generical name of *Crenatula*, and without any specific distinction, is figured in Parkinson's Organic Remains, vol. iii. t. 15. f. 5.
478. 35. *Ostrea edulina*, variety b of Lamarck.
479. 36. I am unacquainted with this shell, and can only loosely conjecture that it may be a variety of the *Corbula gigantea* of Sowerby.
480. 37. Mr. Miller considers this to be the *Ostrea Marshii* of Sowerby; and says, that "as the shell gets older, the number of its undulations increase."
481. 38. Is the *Anomia Gryphus* of Linneus, the *Gryphæa arcuata* of Lamarck, and the *Gryphæa incurva* of Sowerby. This figure is exactly similar to Buonanni's Ri-

Tab. Fig.

- creatione, part 2. f. 31. and the latter is an inverted copy from the *Historia Animalium Angliæ*, t. 8. f. 45.
482. 39. These are considered by Mr. Miller to be two badly executed figures of an undescribed species of *Spirifer* which occurs in the lias.
483. 40. *Ostrea linguatula* of Lamarck; and the *Ostrea canaliculata* of Sowerby is probably a variety.
484. 40. b. Is a species of *Ostrea* allied to, but probably distinct from, the *Ostrea acuminata* of Sowerby, and may perhaps be the *Ostrea lingularis* of Lamarck.
485. 41. Is probably a variety of the *Mytilus antiquorum* of Sowerby.
486. 42. *Ostrea carinata* of Lamarck and Sowerby.
487. 43. Has the appearance of an *Arca*, and I am unacquainted with the species.
488. 44. *Pectunculus decussatus* of Sowerby; and Lamarck has quoted this species, with a mark of doubt, for his *Pectunculus subconcentricus*.
489. 45. With this shell I am entirely unacquainted.
490. 46. Is considered by Mr. Miller to be an undescribed shell which is occasionally, though rarely, found in the inferior oolite, and he suspects that it belongs to the genus *Cardita*.
491. 47. Is a nondescript to which Mr. Miller has given the name of *Corbula sulcata*; and he says it is "a thin shell, much resembling *Corbula gigantea*, but differing "from it in being very regularly furrowed transversely:" he adds, that it is found in the inferior oolite, and that the more perfect specimens have a fine polish and a tinge of blue.
492. 48. Is probably a broken shell of the *Plagiostoma obscura* of Sowerby.
493. 48. b. *Plagiostoma punctata* of Sowerby.
494. 50. *Cardita margaritacea* of Sowerby.
495. 51. *Lima gibbosa* of Sowerby.
496. 49. May probably belong to the same family as the *Cardita? producta* of Sowerby, but I am unacquainted with the shell.
497. 52. Is the *Venus imbricata* of Chemnitz and Gmelin, and the *Venericardia imbricata* of Lamarck. This figure has been erroneously quoted as a recent shell by Gmelin, for *Venus Marica* and for *Chama Ajar* by Bruguiere.
498. 52. b. Is probably a *Cardita* allied to the *Cardita striata* of Sowerby.
499. 53. *Cyprina tridacnoides* of Lamarck.
500. 54. Is considered by Mr. Miller to be an immature shell of the *Cardita lunulata* of Sowerby.
501. 55. *Trigonia costata* of Parkinson, Sowerby, and Lamarck.
502. 56. Is the *Trigonia clavellata* of Parkinson and Sowerby, and the *Trigonia nodulosa* of Lamarck.
503. 57. Is probably a very young shell of the foregoing species.
504. 58. In its size and markings this figure accords with *Nucula Cobboldiæ*, but in shape it more resembles, and is probably a young shell of, the *Venus lineolata* of Sowerby.
505. 59. A damaged shell of the *Plagiostoma gigantea* of Sowerby.
506. 60. This shell is arranged in Mr. Miller's cabinet with the MS. name of *Anodonta sinuata*: and he has succeeded in cleaning out the hinge of one valve, which denoted a conformity to *Anodonta*: but as he has not seen the hinge of the opposite valve, the genus must remain somewhat uncertain: it is much thinner and more oblong than the *Unio crassiusculus* of Sowerby, and is said to occur plentifully in the inferior oolite.
507. 61. Is probably allied to the *Unio concinnus* of Sowerby, but I am unacquainted with the shell.
508. 62. *Unio Listeri* of Sowerby.
509. 63. *Lutraria lirata* of Sowerby.
510. 64. Is a badly executed figure of the *Hippopodium ponderosum* of Sowerby.
511. 65. With this shell I am entirely unacquainted.
- 512.†66. *Astarte elegans* of Sowerby.
512. 67. Is probably an undescribed species of *Lucina*.
513. 68. I am unacquainted with this shell.
514. 69. Mr. Miller suspects that this belongs to an undescribed species which he has found

Tab. Fig.

- in the inferior oolite at Dundry, and to which he has given the name of *Astarte subrotunda*.
515. 70. *Crassatella sulcata* of Sowerby.
516. 71. Mr. Miller informs me, that Lister's name of Hippocephaloides, or Horseheads, belongs exclusively to the inside casts of the Trigonæ, of which this figure does not exhibit the essential characters; and Lister therefore appears to have used the name with a greater latitude.
517. 72. Is an inside cast of the *Isocardia*; which is generally considered to be a fossil variety of the Linnean *Chama Cor*.
518. 73. Somewhat resembles the small shell which Sowerby has figured as a variety of his *Modiola depressa*, but is considered both by Mr. Miller and Mr. G. Sowerby to be a species of Lamarck's genus *Fistulana*.
519. 74. A broken shell of the *Perna aviculoides* of Sowerby; and Lister has taken this figure from the Appendix to his Historia Animalium, t. 1. f. 9.
520. 75. *Pinna granulata* of Sowerby.
521. 76. Is the *Modiola plicata* of Sowerby; but this name had been before given by Lamarck to the recent shell which is the *Mytilus plicatus* of the Descriptive Catalogue; and I believe this to be the *Modiola solenoides* of Lamarck.
522. 77. } *Perna aviculoides* of Sowerby; and both these figures are taken from the Ap-
523. 78. } pendix to the Historia Animalium Angliæ, t. 2. f. 8.

MARINE UNIVALVES.

527. 1. An old shell of *Patella Græca*.
— 2. A young shell of *Patella Græca*; and Klein's t. 8. f. 3. is a copy.
528. 3. *Patella Pustula*.
— 4. Is generally quoted for *Patella nimbosa*; but that species has the perforation contracted in the middle, and in this figure it is represented to be oval.
— 5. *Patella atricapilla*.
— 6. *Patella nodosa*.
— 7. *Patella perforata*.
529. — Otherwise answers to *Patella nubecula*, but the perforation is not sufficiently oblong.
530. 8. *Patella Tranquebarica*; and in my Descriptive Catalogue I have omitted to notice that this is the *Patella picta* of Humphreys and Da Costa's Conchology, p. 4. t. 1. f. 6.
531. 9. *Patella testudinaria*; and I much doubt whether Lister has not borrowed this figure from Buonanni, Museum Kircherianum, part 1. f. 31.
532. 10. *Patella saccharina*; and the *Patella Astro-Lepas* of Humphreys and Da Costa's Conchology, t. 3. f. 2. is the same species.
— 11. This species has been accidentally omitted in the Descriptive Catalogue, and is the *Patella octocostata* of my manuscript. It has been arranged by Gmelin both as a variety of *Patella octoradiata* and of *Patella monopsis*; and Petiver's Gazophylacium, t. 118. f. 12. and Klein's t. 8. f. 5. appear to have been engraved from this figure.
533. 12. *Patella Oculus*; and this figure has been quoted by Humphreys and Da Costa for their *Patella Oculus Hirci*, (p. 11. t. 2. f. 6.) which is the same species. It is very much like part 1. f. 27. and 28. of Buonanni's Museum Kircherianum, and is probably nothing more than a copy.
534. 13. *Patella granatina*; and the figure has probably been borrowed from Buonanni, Museum Kircherianum, part 1. f. 30.
535. 14. *Patella vulgata*.
536. 15. *Patella granularis*; and the *Patella echinata* of Humphreys and Da Costa's Conchology, p. 18. t. 3. f. 13. is the same species.
537. 16. According to Martini, Schroeter, and Gmelin, this is *Patella crenata*; but it is rather a doubtful figure, and I doubt whether it is more than a copy from Buonanni, Museum Kircherianum, part 1. f. 25. I may however take this opportunity to observe, that *Patella crenata* is the *Patella nigra* of Humphreys and

Tab. Fig.

- Da Costa's Conchology, p. 5. t. 1. f. 8; and it appears from the references, that they considered both *Patella Ulyssiponensis* and *Patella lugubris* to be only varieties of the same species.
537. 17. *Patella mammillaris*; and the *Patella striatula* of Humphreys and Da Costa's Conchology, p. 24. t. 4. f. 15. may be added to the synonyms of this species.
- 18. Is the *Patella sanguinolenta* of Gmelin, and *Patella puncturata* of Lamarek; which species in the Descriptive Catalogue has been mistaken for a young shell of *Patella miniata*, but is perfectly distinct.
- 19. Is probably a variety of *Patella octocostata*; see t. 532. f. 11: and Klein, in his Methodus Ostracolog. t. 8. f. 2. has copied this figure.
- 20. Favanne has quoted this figure for *Patella rustica*; and the difference in its appearance may possibly be accounted for by his observation, "il y en a de fort élevées, dont la forme est moins ovale; d'autres au contraire très-applaties, dont l'ovale est alongé." Humphreys and Da Costa, on the other hand, have cited it for the Linnean *Patella reticulata*; but it appears different from the shell which Schroeter has figured for that species.
538. 21. upper fig. *Patella miniata*; and to this species the *Patella pulchra* of Humphreys and Da Costa's Conchology, p. 12. t. 2. f. 8. may be referred.
- 21. lower fig. *Patella angulosa*.
539. 22. *Patella leucopleura*; and the *Patella Zebra* of Humphreys and Da Costa's Conchology, p. 7. t. 1. f. 9. is the same species.
- 23. An old and worn shell of *Patella leucopleura*.
540. 24. This shell is also figured, but without a name, in Humphreys and Da Costa's Conchology, t. 1. f. 2; and I am unable to decide whether it is a *Patella*, or the valve of an *Acardo*.
541. 25. *Patella compressa*; and Humphreys and Da Costa, though they have called it *Patella Cymba*, considered this species to be the *Patella rustica* of Linneus. See Humphreys and Da Costa's Conchology, p. 4. t. 1. f. 7.
542. 26. *Patella laevis*; and these figures have been taken from the Appendix to the Historia Animalium Angliæ, t. 2. f. 10. and again copied by Klein, in his Methodus Ostracolog. t. 8. f. 6. and 7.
543. 27. *Patella pellucida*.
- 28. *Patella fissura*.
544. 29. Favanne has quoted this figure for "le Capuchin de moine;" which he says is a scarce species, and inhabits the coasts of Africa. See Favanne, vol. i. p. 538. t. 4. f. A.
- 30. This shell has been generally confounded with *Patella antiquata*, but is perfectly distinct, and is the *Pileopsis subrufa* of Lamarck. Petiver's Gazophylacium, t. 152. f. 13. and Klein's t. 8. f. 9. have been copied from this figure.
- 31. *Patella antiquata*; and Klein has copied these figures in his Methodus Ostracolog. t. 8. f. 11. and 12. The *Patella pileata* of Humphreys, p. 22. t. 4. f. 6. belongs to this species; and the reference to Humphreys in the Descriptive Catalogue is erroneous.
- 32. *Patella militaris*; and this species has been erroneously named *Patella antiquata* in Humphreys and Da Costa's Conchology, p. 22. t. 4. f. 10. Petiver's Gazophylacium, t. 152. f. 15. is a copy.
545. 33. *Patella fornicata*.
- 34. *Patella porcellana*.
- 35. Variety of *Patella fornicata*.
- 36. *Patella neritoidea*.
- 37. Is probably *Patella crepidula*, for which it has been quoted by Favanne. Klein's t. 8. f. 8. has been copied from this figure.
546. 38. *Patella equestris*.
- 39. *Patella Sinensis*.
547. 1. upper fig. *Dentalium elephantinum*; and this figure has been taken from Buonanni's Ricreatione, part 1. f. 8.
- 1. lower fig. *Dentalium striatum*.
- 2. *Dentalium Entalis*.
- 4. *Serpula decussata*.

- Tab. Fig.
 548. 1. *Serpula lumbricalis*.
 — 2. *Serpula anguina*.
 — 3. Has been generally considered to be *Serpula Aquaria*; but Lamarck has quoted the figure, with a mark of doubt, for his *Aspergillum vaginiferum*, which is a separate species.
550. 1. A young shell of *Nautilus Pompilius*.
 — 2. *Nautilus Spirula*.
 — 3. A young shell of *Nautilus Pompilius*.
551. 3. a. *Nautilus Pompilius*.
552. 4. *Nautilus scrobiculatus*.
553. 5. *Serpula spirorbis*.
554. 5. a. Is probably a young shell of *Argonauta Gondola*.
555. 6. *Argonauta hians*.
556. 7. *Argonauta Argo*; copied from the Museum Calceolarianum, p. 36.
557. 7.† *Argonauta Argo*, with its inhabitant; copied from Aldrovandus de Testaceis, p. 260.
559. 1. *Nerita Canrena*, variety D; which is the *Natica lineata* of Lamarck.
 — 2. Quoted by Gmelin for his *Nerita melanostoma*, but is too uncertain a figure to be worth notice.
560. 3. *Nerita Canrena*, variety E.
 — 4. *Nerita Canrena*, variety A.
 — 5. *Nerita Canrena*, variety L.
561. 7. *Nerita Canrena*, variety I: which is the *Nerita Zebra* of Chemnitz; and is also arranged by Lamarck as a separate species.
 — 8. The want of a description renders it difficult to ascertain this figure.
562. 9. Is probably an old shell of *Nerita glaucina*; but in the Museum Geversianum is arranged separately, with the name of *Nerita pressa*.
563. 10. By different authors it has been quoted for *Nerita Canrena*, *Nerita glaucina*, and *Nerita Albumen*, and is rather an uncertain figure.
564. 11. *Nerita Canrena*, variety B; and is arranged as a separate species by Lamarck, with the name of *Natica millepunctata*.
565. 12. *Nerita Vitellus*.
 — 13. Quoted for a variety of his *Nerita melanostoma* by Gmelin; but is arranged separately by Meuschen, with the name of *Nerita cana*, and is an uncertain figure.
566. 14. *Nerita Mammilla*, variety B; but is most probably a distinct species: and it is erroneously considered by Lamarck to be the Linnean *Helix mammillaris*.
 — 15. *Helix mammillaris*.
 — 16. *Nerita cancellata*.
567. 17. *Nerita fulminea*.
 — 18. Variety of *Nerita fulminea*.
568. 19. *Nerita glaucina*.
569. 20. Variety of *Nerita glaucina*.
570. 21. *Helix heliotoidea*.
571. 22. *Nerita Mammilla*, variety A. Petiver's *Gazophylacium*, t. 152. f. 12. is a bad copy from the uppermost of these figures.
572. 23. *Helix ianthina*.
 — 24. *Helix ianthina*, with the animal; and this figure has been copied from Columna de Purpura, p. 13.
 — 25. An old shell of *Nerita Canrena*, with the umbilicus nearly closed.
373. 23.† Belongs to the genus *Ianthina* of Lamarck; and Mr. G. Sowerby informs me, that it is the species which in the fifth number of his "Genera of Shells" is mentioned under the name of *Ianthina globosa*.
574. 26.) Have been copied by Klein, in his *Methodus Ostracolog*: t. 1. f. 4. and 5; and erroneously quoted by Gmelin for varieties of *Helix nemoralis*.
 — 27.)
575. 28. Gmelin has been misled by Chemnitz to quote this figure, with a mark of doubt, for *Turbo coronatus*, and afterwards for a variety of *Turbo granulatus*. Meuschen, in the Museum Geversianum, calls it *Trochus spinosus*; and it constitutes the *Turbo* No. 12. of Schroeter's *Einleitung*. Favanne also has referred to this figure for his "petit Olearia granuleux," and it is probably a variety of *Turbo granulatus*.

- Tab. Fig.
576. 29. Is generally considered to be *Turbo Porphyrites*, but is rather an uncertain figure.
- 30. Is another rather uncertain figure, and has been only quoted by Favanne for "la Neffle," vol. ii. p. 86.
577. 31. *Helix Scarabæus*.
- 32. Is the *Helix Scarabæus*, variety B of the Descriptive Catalogue; but has been arranged separately by Ferussac, with the name of *Scarabus plicatus*. Klein, t. 1. f. 24. has copied this figure.
- 32. a. Is the *Voluta* No. 144. of Schroeter's *Einleitung*; and is probably a distinct species, allied to *Voluta Auris Cati*.
- 32. b. Is the *Bulimus Auricula* of Bruguiere, the *Auricula auricella* of Ferussac, and the *Tornatella Auricula* of Lamarck. The species is not noticed in my Descriptive Catalogue.
578. 33. *Helix flammea*.
579. 34. This shell has been generally confounded with *Bulla achatina*, but differs in having the suture depressed with a marginal indented line; and it is the *Achatina marginata* of Swainson. Petiver, in the *Gazophylacium*, t. 152. f. 11. has copied this figure.
580. 34. a. Young shells of *Bulla achatina*.
581. 35. *Bulla purpurea*.
582. 35. a. Is the *Bulimus fulvus* of Bruguiere, and the *Helix fulvenscens* of Ferussac; which species was considered by Muller to be a variety of *Bulla Achatina*.
583. 36. Is the *Turbo* No. 62. of Schroeter's *Einleitung*, and the *Turbo* No. 58. of Schreiber's *Conchylien*; and I cannot find that it has been noticed by any other author.
- 37. *Helix scabra*.
- 38. *Trochus ziczac*.
584. 39. *Turbo Petholatus*.
- 40. *Turbo Cochlus*.
- 41. I cannot find that any author has noticed this figure except Schroeter, and it constitutes the *Turbo* No. 63. of his *Einleitung*.
- 42. *Trochus Labeo*.
585. 43. *Turbo littoreus*.
- 44. *Turbo Pullus*.
586. 45. Young shell of *Turbo Cochlus*.
587. 46. *Turbo marmoratus*.
588. 47. Is the *Helix decumanus* of Ferussac; and has been quoted erroneously in the Descriptive Catalogue for *Turbo sulcatus*.
- 48. *Turbo Mumia*.
- 49. *Turbo Alvearia*.
- 50. *Turbo pulcher*.
- 51. upper fig. *Turbo Clathrus*.
- 51. lower fig. *Turbo Clathratulus*.
- 52. *Turbo crenatus*.
589. 53. *Turbo obsoletus*; and I rather doubt whether Petiver's *Gazophylacium*, t. 46. f. 7. has not been borrowed from this figure.
590. 54. *Turbo Archimedis*.
- 55. }
591. 56. } Are generally considered to be varieties of *Turbo Terebra*.
- 57. }
- 58. In the Descriptive Catalogue I have followed Maton and Raekett in quoting this figure for *Turbo duplicatus*, and it is more like a worn shell of *Turbo exoletus*.
- 59. *Turbo acutangulus*.
592. 60. *Turbo exoletus*.
593. 61. The species to which this figure belongs is doubtful; and I believe it has not been noticed by any author, except that it is the *Turbo* No. 140. of Schroeter's *Einleitung*.
595. 1. *Nerita Peloronta*.
- 2. Is the *Nerita* No. 120. of Schroeter's *Einleitung*, and "la Nérîte allongée" of Favanne, vol. ii. p. 225. t. 10. f. Q.
- 3. *Nerita plicata*.

- Tab. Fig.
 596. 4. *Nerita Chamæleon*.
 — 5. Is generally considered to be a variety of *Nerita exuvia*.
 — 6. Quoted by Favanne, vol. ii. p. 211. for "la Nègresse;" and is probably a variety of *Nerita costata*.
 — 7. *Nerita undata*.
 — 8. *Nerita Ascensionis*.
 597. 9. *Nerita tessellata*.
 — 10. Favanne calls this shell "la Grive Americaine;" and it is the *Nerita pullata* of the Museum Geversianum, and the *Nerita* No. 126. of Schroeter's Einleitung.
 598. 11. *Nerita Histrio*.
 — 12. *Nerita versicolor*.
 — 13. Is probably a variety of *Nerita flammea*.
 — 14. *Nerita plexa*.
 599. 15. *Nerita exuvia*.
 600. 16. *Nerita albicilla*.
 — 17. *Nerita polita*, variety G.
 601. 18. *Nerita viridis*.
 — 19. Quoted by Favanne for "la Nèrite verte," which he considers to be the Linnean *Nerita bidens*, and by Lamarck, with a mark of doubt, for his *Neritina crepidularia*.
 602. 20. *Nerita polita*, variety B.
 603. 21. *Nerita polita*, variety D.
 — 22. *Nerita polita*, variety A.
 — 23. *Nerita hieroglyphica*.
 604. 24. *Nerita virginea*.
 — 25. *Nerita turrita*.
 — 26. }
 — 27. } Varieties of *Nerita virginea*.
 — 28. }
 — 29. This figure differs somewhat in its appearance from *Nerita virginea*, and is the *Nerita* No. 140. of Schroeter's Einleitung, and the *Nerita triangularis* of Meuschen's Museum Geversianum, No. 317.
 605. 30. *Nerita Radula*; but the figure is far from good.
 — 31. *Nerita Pupa*.
 — 32. *Nerita Phrygia* of Meuschen; and is probably a variety of *Nerita virginea*.
 — 33. Is noticed by Schroeter in the Flusseconchylien, p. 213, and is the *Nerita* No. 144. of the Einleitung. It bears some resemblance to *Turbo Nicobaricus*.
 606. 34. *Nerita rufa*.
 — 35. }
 — 36. } Varieties of *Nerita virginea*.
 — 37. }
 — 38. }
 607. 39. }
 — 40. } *Nerita littoralis*; and Klein, in his Methodus Ostracolog. t. 1. f. 25. and 26. has
 — 41. } copied the two former of these figures.
 — 42. }
 — 43. } *Nerita fluviatilis*.
 — 44. }
 608. 45. *Turbo Delphinus*.
 — 46. *Turbo Calcar*.
 — 46. a. *Turbo armatus*.
 610. 1. *Haliotis asinina*.
 611. 2. *Haliotis tuberculata*.
 612. 3. *Haliotis bistrata*.
 — 4. *Haliotis varia*.
 613. 5. *Haliotis Midæ*.
 614. 6. *Helix marmorata*.
 616. 1. *Trochus Ziziphinus*; and Klein's t. 2. f. 36. is a copy.
 — 2. *Trochus striatus*.

Tab. Fig.

617. 3. *Trochus Niloticus*.
618. 4. Is probably a variety of *Trochus melanostomus*: but in Favanne, vol. ii. p. 17, it is said to be "le Saphir vert;" with which shell I am unacquainted, and which is said to be very rarely met with. Klein's t. 2. f. 35. is a copy.
619. 5. Is the *Trochus tigrinus* of Hebenstreit; which differs entirely from the *Trochus tigrinus* of Chemnitz: and this shell in the Descriptive Catalogue has been arranged erroneously as a variety of *Trochus Niloticus*.
620. 6. Is the *Trochus marmoratus* of Lamarck, and the *Trochus Niloticus*, variety B, of the Descriptive Catalogue.
621. 7. Unaccompanied by any description, it is difficult to ascertain the species to which this figure belongs: but it has been quoted by Favanne, vol. ii. p. 19, for a variety of "l'Etourneau;" and at p. 129. this variety is described with the name of "le petit Papier marbré."
- 8. *Trochus minutus*.
622. 9. *Trochus solaris*, variety B; and these figures are reversed copies from Buonanni, Riecreatione, part 3. f. 366. and 367.
623. 9. a. Is probably an imperfect shell of the abovementioned variety of *Trochus solaris*.
624. 10. *Trochus Telescopium*; and this figure has been taken from Buonanni's Riecreatione, part 3. fig. 92.
625. 11. *Trochus Mauritanus*.
626. 11. a. *Trochus dentatus*.
627. 13. Is "la Rotule" of Favanne; and has been generally considered to be a variety of *Trochus concavus*, but is probably a distinct species. Klein's t. 1. f. 20. is a copy.
628. 14. *Trochus imbricatus*. In the Portland Catalogue, this species is called *Trochus Tectum*; and the specimen there advertised with a reference to this figure, is said to be the only perfect one ever known.
629. 15. Favanne, vol. ii. p. 305, under the name of "le Raboteux," has quoted this figure as a variety of "le Concombre," which is *Trochus imbricatus*.
630. 16. *Trochus fenestratus*.
631. 17. *Trochus virgatus*.
- 18. *Trochus Conus*.
632. 19. Is an uncertain figure; and has been quoted, with a mark of doubt, by Da Costa for *Trochus papillosus*.
- 20. *Trochus maculatus*.
633. 21. *Trochus cinereus*.
634. 22. Answers to Chemnitz' figures 1695. and 1696; and is the "Cadran de Coromandel" of Favanne, vol. ii. p. 425. and the *Solarium granulatum* of Lamarck. Lamarck says, it may be known from *Trochus perspectivus* "par ses granulations, même " en sa face inférieure, son défaut de stries longitudinales, et son ombilic resserré, " ceint de dents épaisses."
635. 23. *Trochus stramineus*.
636. 24. *Trochus perspectivus*; and the engraving appears to have been made by copying fig. 27. and 28. of Buonanni's Riecreatione, so as to invert the figures.
637. 25. *Trochus Pharaonis*, variety B.
638. 26. *Trochus Pharaonis*, variety A.
639. 27. *Trochus variegatus*.
- 28. Quoted by Favanne for a *Trochus* from the Philippine islands, which he calls "la Perdrix rouge."
640. 29. Is an uncertain figure, and has been quoted by Montagu, with a mark of doubt, for his *Trochus umbilicatus*; but Favanne (vol. ii. p. 123.) considers it to be "le Bouton de la Nouvelle Zélande," which is a very different shell.
- 30. *Turbo Pica*; and Klein's t. 2. f. 52. is a copy.
641. 31. *Trochus cinerarius*.
- 32. *Trochus Magus*.
642. 33. } *Trochus turbinatus*; and Klein's t. 2. f. 53. and 54. are copies.
- 34. }
643. 35. A worn shell of *Trochus crassus*.

Tab. Fig.

644. 36. *Turbo Pagodus*; and Klein, in the *Methodus Ostracolog.* t. 2. f. 37. has copied this figure.
645. 37. *Trochus Labeo*.
646. 38. *Trochus Tuber*.
- 39. A variety of *Trochus cœlatus*.
647. 40. *Trochus cœlatus*.
- 41. *Turbo rugosus*; and Klein's t. 2. f. 50. is a copy.
648. 42. Is called *Trochus coloratus* in the *Museum Geversianum*, and is the *Trochus* No. 125. of Schroeter's *Einleitung*, but is rather an uncertain figure.
- 43. Favanne, vol. ii. p. 17, calls this shell "le Macaron;" and except that it constitutes the *Trochus* No. 126. of Schroeter's *Einleitung*, I cannot find that any other notice has been taken of this figure.
649. 44. Differs from *Trochus vestiarius* in having the whirls nodulous, and is the *Rotella monilifera* of Lamarck.
650. 45. *Trochus vestiarius*.
- 46. Is the rose-coloured variety of *Trochus vestiarius*; which has been separated by Lamarck, and it is his *Rotella rosea*.
651. 47. *Rotella monilifera* of Lamarck; and is the same as fig. 44.
- 48. Is the gray variety of *Trochus vestiarius* with longitudinal ziczac stripes; which is the *Rotella suturalis* of Lamarck: and he observes, "Le bord supérieur des tours, étant saillant, fait paraître les sutures enfoncées."
652. 49. } Varieties of *Trochus vestiarius*.
- 50. }
653. 51. *Trochus Tectum*.
- 52. *Trochus Modulus*; and the reference in the *Descriptive Catalogue* to "le Grenat" of Favanne is erroneous.
- 53. A variety of *Trochus Tectum*.
654. 54. *Trochus perlatus*.
656. 1. A decorticated shell of *Cypræa helvola*.
657. 2. *Cypræa Onyx*.
658. 3. *Cypræa Arabica*.
659. 3. a. Has been generally quoted for *Cypræa Histrio*; but Lamarck, in the *Annales du Musée d'Histoire Naturelle*, vol. xv. p. 450, has justly observed, that it is a variety of *Cypræa Arabica* "plus marginé, à dos parsemé de petites taches irrégulières." Tab. 21. f. 8. of the *Museum Beslerianum* is a reversed copy.
660. 4. *Cypræa Isabella*.
661. 5. *Cypræa ziczac*.
662. 6. Is a young shell either of *Cypræa Histrio*, or of *Cypræa Arabica*.
663. 7. The *Cypræa gibba* of Gmelin has been entirely constituted from this figure, and it is a young shell of *Cypræa stercoraria*.
664. 8. Is obviously *Cypræa carneola*; and the *Cypræa crassa* of Gmelin has been entirely and absurdly constituted from this figure.
665. 9. A young shell of *Cypræa carneola*.
666. 10. *Cypræa Asellus*.
667. 11. The reference to this figure, and the whole of the first eight lines at page 444 of my *Descriptive Catalogue*, have been inserted by mistake, and ought to be entirely cancelled: it is a young shell of *Cypræa cinerea*; and to the synonyms of that species at page 451, the *Cypræa cincta* of Solander may be added.
- 12. This shell has been arranged by Gmelin as a variety of *Cypræa Pyrum*; and as a separate species in Solander's MS. with the name of *Cypræa umbilicata*: it has the teeth of a saffron colour, and in *Cypræa Pyrum* they are whitish.
668. 13. Gmelin considered it to be *Cypræa cinerea*; but Dr. Solander has quoted this figure for his *Cypræa balthæata*, which, on the authority of Dr. Konig, is said to be a native of Coromandel: and I have never seen a shell which answers the description.
- 14. *Cypræa Talpa*.
669. 15. A young shell of *Cypræa exanthema*.
670. 16. *Cypræa cinerea*.
671. 17. *Cypræa lurida*.

Tab. Fig.

672. 18. A young shell of *Cypræa Tigris*.
 673. 19. *Cypræa lurida*.
 674. 20. *Cypræa Hirundo*.
 — 21. An immature shell of *Cypræa Hirundo*; and represents the species as it appears immediately before the last coat of its enamel is thrown over.
 675. 22. A young shell of *Cypræa Mauritiana*.
 676. 23. *Cypræa guttata*.
 677. 24. *Cypræa Caurica*.
 678. 25. A young shell of *Cypræa tabescens*.
 679. 26. A shell of *Cypræa Arabica*, in that rather immature stage of growth in which it is usually called the *Smoke Cowry*.
 680. 27. *Cypræa felina*.
 681. 28. *Cypræa pantherina*.
 682. 29. *Cypræa Tigris*.
 683. 30. *Cypræa Lynx*.
 684. 31. *Cypræa Vanelli*.
 685. 32. Quoted by Dr. Solander in his MS. for his *Cypræa arenosa*; and it is probably a young shell of *Cypræa pantherina*.
 686. 33. *Cypræa Turdus* of Lamarck: and this species has been omitted in the Descriptive Catalogue. It is nearly allied to *Cypræa Vanelli*; but is more ventricose, and may be at once distinguished by its want of the dark spots at the two extremities, and by the interstices of the teeth, which are white: the following are probably its synonyms; *Cypræa oblonga* of Gmelin, *Cypræa spurca* of Born, and *Cypræa ovata* of Perry.
 687. 34. *Cypræa stercoraria*.
 688. 35. The *Cypræa nebulosa* of Gmelin has been wholly constituted from this figure; and it is probably the *Cypræa rattus* of Lamarck; which has been generally considered to be a variety of *Cypræa stercoraria*.
 689. 36. *Cypræa testudinaria*.
 690. 37. *Cypræa Caurica*.
 691. 38. *Cypræa helvola*.
 692. 39. *Cypræa erosa*.
 693. 40. *Cypræa Vitellus*.
 694. 41. *Cypræa poraria*.
 695. 42. *Cypræa cribraria*.
 696. 43. *Cypræa ocellata*.
 697. 44. Is that large variety of *Cypræa exanthema* which Linnæus, in the Mantissa, has described separately, with the name of *Cypræa Cervus*.
 698. 45. } *Cypræa exanthema*.
 699. 46. }
 700. 47. Lister has described this figure "ventre albido, virgatis maculis depicto;" and in this alone it differs from *Cypræa erosa*.
 701. 48. A young shell of the preceding variety of *Cypræa erosa*.
 — 49. A young shell of *Cypræa Caput Serpentis*.
 702. 50. *Cypræa Caput Serpentis*.
 703. 52. *Cypræa Mauritiana*.
 704. 53. *Cypræa Caput Serpentis*.
 705. 54. *Cypræa Argus*.
 706. 55. *Cypræa Oniscus*.
 — 56. *Cypræa sulcata*.
 707. 57. *Cypræa Europæa*.
 708. 58. *Cypræa staphylæa*.
 709. 59. *Cypræa Moneta*.
 710. 60. *Cypræa Cicercula*.
 — 61. *Cypræa Madagascariensis*; and the species was originally constituted by Schroeter from this figure.
 — 62. *Cypræa pustulata*; and I have not met with any other figure either of this or of the preceding species.
 711. 63. *Bulla Volva*; and Petiver's Gazoph. t. 152. f. 10. has been copied from this figure.

Tab. Fig.

711. 64. *Bulla gibbosa*.
 — 65. *Bulla Ovum*.
 — 66. *Bulla Secale*.
 712. 67. *Bulla verrucosa*.
 — 68. A young shell of *Bulla gibbosa*.
 713. 69. *Bulla Ampulla*.
 714. 70. The two right-hand figures are *Bulla cylindracea*; and from them the *Bulla Oliva* of Gmelin has been entirely derived. Klein's t. 5. f. 99. is a copy. The left-hand figure is *Voluta pallida*.
 — 71. *Bulla lignaria*.
 — 72. *Bulla Amygdalus*.
 — 73. *Bulla Naucum*.
 715. 74. *Bulla nitidula*.
 — 75. *Bulla Physis*; and Klein's t. 5. f. 98. is a copy.
 717. 1. *Voluta annulata*.
 718. 2. *Voluta Oliva*, variety Q; and is a variety of the *Oliva Maura* of Lamarck.
 719. 3. *Voluta Oliva*, variety D; which is the *Oliva episcopalis* of Lamarck.
 720. 4. } *Voluta cruenta*.
 — 5. }
 721. 6. *Voluta Tigrina*.
 — 7. Variety of *Voluta Oliva*; and probably belongs to the *Oliva flammulata* of Lamarck.
 722. 9. *Voluta Ispidula*, variety A; which is the *Oliva acuminata* of Lamarck.
 723. 10. An old shell of *Voluta gibbosa*.
 724. 11. *Voluta incrassata*; but it is not a good figure.
 725. 12. *Voluta Oliva*, variety A; and is the *Oliva texilinea* of Lamarck.
 — 13. *Voluta Jaspidea*; and Petiver's Gazophylacium, t. 152. f. 6. is a bad copy.
 726. 13. a. *Voluta nitidula*; but it is far from a good figure.
 727. 14. *Oliva tremulina* of Lamarck; which in the Descriptive Catalogue is arranged as a variety of *Voluta erythrostoma*.
 728. 15. *Voluta Oliva*, variety A; and is quoted by Lamarck for a variety of his *Oliva elegans*.
 — 16. *Voluta Oliva*, variety B; which is the *Oliva irisans* of Lamarck.
 729. 17. Is a variety of *Voluta hiatula*; and it has been separated by some authors, with the name of *Oliva ancillaria*.
 730. 18. Much resembles some of the varieties of *Voluta gibbosa*: but the shell is arranged separately in Solander's MS. with the name of *Voluta patula*; and it is the *Voluta* No. 36. of Schroeter's Einleitung.
 — 19. *Voluta gibbosa*.
 731. 20. *Voluta Oliva*, variety G; which is the *Oliva mustelina* of Lamarck.
 732. 21. *Voluta Oliva*, variety D; and it is a variety of the *Oliva episcopalis* of Lamarck.
 733. 22. *Voluta micans*.
 734. 23. *Voluta Oliva*, variety C; and is the *Oliva elegans* of Lamarck.
 — 24. Is another variety of *Voluta Oliva*; and probably belongs to the *Oliva elegans* of Lamarck.
 735. 25. *Voluta ventricosa*, variety D; which is the *Oliva fabigina* of Lamarck; and Klein's t. 5. f. 91. is a copy.
 736. 30. }
 — 31. } *Bulla Terebellum*, { clouded variety.
 737. 32. } { striped variety.
 — { dotted variety.
 738. 33. Is the *Voluta* No. 37. of Schroeter's Einleitung; and it appears by Gmelin's note at p. 3440, that he also considered it to be a *Voluta*: but the figure bears every appearance of a young *Strombus*.
 739. 26. *Voluta Oliva*, variety E; and is the *Oliva tricolor* of Lamarck.
 — 27. *Voluta Oliva*, variety Q; and it is the *Oliva maura* of Lamarck.
 — 28. *Voluta Oliva*, variety I; which is the *Oliva sanguinolenta* of Lamarck.
 740. 29. *Voluta ventricosa*, variety A; and is the *Oliva undata* of Lamarck.
 741. 37. Larva of *Cypræa exanthema*.
 742. 38. Is probably the larva of *Cypræa Mauritiana*.

Tab. Fig.

743. 39. I have never met with any reference to this figure, except that it constitutes the *Conus* No. 58. of Schroeter's *Einleitung*, and the *Conus* No. 120. of Schreiber's *Conchylien*.
744. 34. *Conus Clavus*.
— 35. *Conus Nussatella*.
745. 36. *Conus tendineus*.
746. 40. *Bulla ventricosa*. Lamarck, in describing this species under the name of *Ancillaria ventricosa*, says, "J'y aurois rapporté comme synonyme le *Rhombus brevior croceus* de Lister, qui lui ressemble, sans son excès de taille; ce n'en est peut-être qu'une variété d'âge." *Annales du Musée*, vol. xvi. p. 304.
747. 41. *Conus geographicus*.
748. 42. Larva of *Cypræa Tigris*.
— 43.)
749. 44. } Erroneously quoted by Gmelin for *Conus bullatus*, and are the larvæ of *Cypræa*.
— 45. }
750. 46. This species has been generally confounded with *Bulla Ficus*, but is perfectly distinct, and has the cancellated striæ much coarser and more remote: it is the *Pyrula ficoides* of Lamarck. Klein's t. 5. f. 93. has been copied from this figure.
751. 46. a. *Bulla Ficus*.
753. 1. Favanne, in vol. ii. p. 489, calls this "le faux Taupin;" and it is probably a decorated or bleached shell of *Conus rusticus*.
754. 2. *Conus Virgo*.
755. 7. *Conus Augur*.
756. 8. *Conus verrucosus*, variety B.
757. 9. *Conus Stercus Muscarum*.
758. 3. Is probably the *Conus flavidus* of Lamarck; and I rather doubt whether this is more than a variety of *Conus Virgo*.
759. 4. *Conus leucosticus*, variety E.
760. 5. *Conus granulatus*.
— 6. *Conus striatus*.
761. 10. *Conus arenatus*.
762. 11. *Conus betulinus*, variety C.
763. 12. *Conus taniatus*.
764. 13. *Conus Tulipa*.
765. 14. *Conus rusticus*, variety B.
766. 15. *Conus imperialis*.
767. 16. *Conus genuanus*.
— 17. *Conus tessellatus*.
768. 17. a. *Conus Fusus*.
769. 17. b. *Conus monile*: but is not a good figure; and is a copy from Buonanni, *Ricreatione*, part 3. f. 337.
770. 17. c. *Conus literatus*, variety D.
771. 17. d. *Conus fluctifer*.
772. 18. *Conus leoninus*.
773. 19. *Conus papilionaceus*.
774. 20. *Conus pulicarius*.
775. 21. *Conus aurantius*.
776. 22. *Conus Hyæna*.
777. 23. Being unaccompanied by any description, this is an uncertain figure; and it is more like *Conus Vexillum* than it is to *Conus leoninus*, for which it has been quoted by Gmelin.
— 24. *Conus leucosticus*, variety A.
778. 24. a. *Conus Ranunculus*.
— 24. b. Is a bad engraving, and it has not been noticed by any author.
779. 25. *Conus ebraeus*, variety A.
— 26. *Conus ebraeus*, variety C: but this and the variety D are arranged separately by Lamarck, with the name of *Conus vermiculatus*.
780. 27. *Conus Capitaneus*.
781. 28. *Conus Leopardus*; and Petiver's *Gazophylacium*, t. 153. f. 10. is a copy.

Tab. Fig.

782. 29. *Conus Janus*, variety A.783. 30. *Conus Spectrum*.784. 31. *Conus Mus*; and Petiver has copied this figure in his *Pterigraphia Americana*, t. 12. f. 7.785. 32. *Conus figulinus*, variety A.— 33. *Conus Janus*, variety B.786. 34. *Conus Miles*, variety A.— 35. *Conus Generalis*.— 36. Is probably a variety of *Conus Coffeæ*: but Schroeter, in the *Einleitung*, and Schreiber, in his *Conchylien*, have both considered it to be a separate species; it is the *Conus* No. 65. of the former, and No. 9. of the latter.— 37. *Conus Mediterraneus*; but it is a badly engraved figure.787. 39. *Conus marmoreus*, variety A.788. 40. *Conus Textile*, variety C.— 41. *Conus Mercator*, variety A.789. 42. *Conus Mercator*, variety D; and it has been arranged separately both by Born and Solander, with the name of *Conus reticulatus*.790. 43. *Conus Episcopus*, variety B.791. 44. *Strombus Oniscus*.792. 45. *Buccinum Pomum*.794. 1. Is a variety of *Voluta Olla*; which Lamarck has described, "à bord droit très-dilaté, muni d'un sillon transverse à l'extérieur." *Annales du Musée*, vol. xvii. p. 60. The figure is very like, and has probably been copied by Lister from, one in Aldrovandus de Piscibus, p. 560.795. 2. *Voluta Navicula*; and it may be doubted whether this is more than a young shell of *Voluta Neptuni*.796. 3. *Voluta Cymbium*.797. 4. Lister has taken this figure from Buonanni's *Ricreatione*, part 3. f. 1; and it is the *Voluta Æthiopica*, variety A, of the *Descriptive Catalogue*: both Solander and Lamarck have however considered this variety to be a separate species; and it is the *Voluta Haustrium* of the former, and the *Voluta tessellata* of the latter.798. 5. *Voluta Præputium*; and this is certainly nothing more than a young shell either of *Voluta Melo*, or of the *Voluta Diadema*, of Lamarck.799. 6. *Voluta Scapha*.800. 7. Is the *Voluta proboscidalis* of Lamarck; which in the *Descriptive Catalogue* I have arranged as a variety of *Voluta porcina*, but is most probably a distinct species.801. 7. b. *Voluta Æthiopica*, variety C.802. 8. *Voluta Neptuni*.803. 9. *Voluta cingulata*.— 10. *Voluta Persicula*.— 11. *Voluta bullata*.804. 12. Is the variety of *Murex Ricinus* with a yellow mouth; which is the *Buccinum Ricinus* of Solander, and the *Ricinula digitata* of Lamarck.— 13. Is the violet-mouthed variety of *Murex Ricinus*; which is the *Buccinum amethystinum* of Solander, and the *Ricinula horrida* of Lamarck.805. 14. *Voluta musica*; and this figure is copied in the *Museum Beslerianum*, t. 21. f. 7.806. 15. Is the *Voluta Thiarella* of Lamarck; which in the *Descriptive Catalogue* is arranged as a variety of *Voluta musica*.807. 16. *Voluta Vespertilio*, variety B; which Lamarck has arranged as a separate species, with the name of *Voluta Pellis Serpentis*.808. 17. *Voluta Vespertilio*. Lister has obviously engraved this plate from Buonanni's *Ricreatione*, part 3. f. 294; and has so transferred them on the copper as to invert the figures, and thereby correct Buonanni's customary error in the turn of the spire.809. 18. *Voluta ebræa*; and this has been copied in the same manner as the foregoing figures from Buonanni's *Ricreatione*, part 3. fig. 293.810. 19. *Voluta muricata*.811. 20. *Voluta Turbinellus*.

Tab. Fig.

812. 21. Gmelin has quoted this figure for *Voluta musica*; and it constitutes the *Voluta* No. 146. of Schroeter's *Einleitung*: Lister however considered it to be the same species as fig. 18; and it is not unlikely to be a young shell of *Voluta ebræa*.
- 22. *Voluta Faba*.
813. 23. *Voluta Dactylus*.
- 23. a. *Voluta crenulata*.
814. 23. b. *Voluta Conus*.
- 24. *Voluta flammea*.
815. 25. *Voluta Pyrum*: and this figure has probably been engraved by copying fig. 194. of Buonanni's *Ricreatione* on the copper-plate, so as in the impressions to correct the left-handed appearance of the original.
816. 26. A young shell of *Voluta Pyrum*.
- 27. *Voluta Pyrum*, at a still earlier stage of its growth than fig. 26.
817. 28. Has been generally considered to be *Voluta Prunum*, which it much resembles: but in Dr. Solander's MS. it is quoted, though with a mark of doubt, for another species, with the name of *Voluta glauca*; and this in Calonne's Catalogue is said to be a West Indian shell. It differs from *Voluta Prunum* in having the spire longer; and I never saw that species fasciated, as is represented in this figure.
818. 29. *Voluta glabella*.
- 31. Variety of *Voluta glabella*.
- 32. *Voluta picta*, not fully grown.
819. 33. *Voluta Barbadosis*; and the species was first constituted by Schroeter and Gmelin from this figure.
- 34. The *Voluta* No. 150. of Schroeter's *Einleitung*, which is the *Voluta clathrata* of Gmelin, has been constituted from this figure; and it appears to me to be a variety of *Voluta nodulosa*.
- 35. *Voluta paupercula*.
- 36. *Voluta texturata*.
820. 37. *Voluta plicaria*.
821. 38. *Voluta sanguisuga*.
- 39. Dr. Solander has quoted this figure for his *Voluta spinulosa*; and it is probably a variety of *Voluta cruentata*.
822. 40. *Voluta Ruffina*.
- 822.b.41. *Buccinum plumatum*.
- 41. b. A worn shell of *Murex crassus*.
823. 42. A young shell of *Voluta torva*, with the outer lip unformed.
824. 43. *Voluta mercatoria*.
- 44. *Voluta rustica*.
825. 45. Is *Voluta Tringa*; and in the Descriptive Catalogue I have erroneously followed other authors in quoting this figure for *Voluta rustica*.
- 46. *Voluta rustica*.
826. 47. *Voluta mendicaria*.
- 48. } *Voluta torva*.
- 49. }
827. 49. a. *Buccinum nitidulum*.
- 49. b. Is the *Voluta acuminata* of Solander, which name has been preoccupied by Gmelin for a very different shell; and the species has not been noticed in the Descriptive Catalogue, but is the *Voluta gracilis* of my MS. It differs from *Voluta Tringa* in being narrower, and in having a longer spire; of which the summit is always tinged with violet, and the pillar only obsoletely toothed. From Petiver's description, his tab. 30. f. 6. appears to be the same species; and it not uncommonly occurs among West Indian shells.
- 49. c. A young shell of *Cypræa Europæa*.
- 49. d. Is the *Buccinum* No. 75. of Schroeter's *Einleitung*; and is probably a variety of the species which Mr. Sowerby, in his work on the Genera of Shells, has figured with the name of *Columbella Terpsichore*.
- 49. e. Is generally called the black variety of *Voluta rustica*; and has been described separately by Lamarck, with the name of *Columbella fulgurans*.
828. 50. *Murex Nassa*.

Tab. Fig.

829. 51. *Voluta Ceramica*: and this figure has been copied in the same way as t. 808. from Buonanni, *Ricreatione*, part 3. f. 286. It is plain that the older authors made very free with the works of each other: and several of the figures which Rumphius has published are not originals; his t. 49. f. L. though not completely a copy, has been obviously borrowed from the same source.
830. 52. *Voluta reticulata*.
- 53. } *Voluta cancellata*.
— 54. }
831. 55. *Buccinum Smaragdulus*.
832. 56. No author has noticed this figure except Schroeter and Schreiber; and it is the *Voluta* No. 160. of the former, and the No. 93. of the latter.
833. 57. *Murex Anus*; and Lister has borrowed this figure in the same way as t. 808. and several other of his figures, from Buonanni's *Ricreatione*, part 3. f. 279.
834. 59. *Voluta Coffea*.
— 60. *Voluta minuta*.
— 61. A variety of *Voluta flava*, with transverse bands.
835. 58. *Voluta tornatilis*.
836. 62. *Voluta turrita*.
837. 63. *Strombus palustris*.
— 64. *Buccinum duplicatum*.
838. 65. *Voluta pertusa*.
839. 66. *Voluta episcopalis*.
— 67. *Voluta papalis*.
840. 68. *Voluta Thiara*.
841. 69. Is the *Buccinum Taurinum* of the Portland Catalogue, and the *Terebra flammea* of Lamarck; and this species in the Descriptive Catalogue is arranged as a variety of *Buccinum subulatum*.
842. 70. *Buccinum subulatum*.
843. 71. Is the *Buccinum ferrugineum* of Born; and it appears to me to be nothing more than a variety of *Buccinum dimidiatum*.
844. 72. *Trochus terebellus*; and Petiver, in the *Gazophylacium*, t. 118. f. 15. has copied this figure.
— 72. b. Bruguiere considered this shell to be a variety of *Trochus dolabratus*: but it has been arranged separately, with the name of *Voluta notata*, by Solander, and with that of *Pyramidella punctata* by Ferussac.
845. 72. c. Quoted by Gmelin for a variety of *Buccinum subulatum*, and is a very uncertain figure.
— 73. *Buccinum strigilatum*: and is the *Terebra myuros* of Lamarck; who has followed Born in considering *Buccinum concinnum* to be the Linnean *Buccinum strigilatum*.
846. 74. *Buccinum maculatum*.
— 75. *Buccinum crenulatum*.
847. 1. *Strombus gibberulus*.
848. 2. Gmelin, at p. 3507 of the *Systema*, has expressed a doubt whether either this or the two following are full grown shells; and I am unacquainted with the species.
— 3. *Strombus floridus* of Lamarck; and this species in the Descriptive Catalogue has been confounded with *Strombus Urceus*.
849. 4. The want of a description renders this an uncertain figure.
— 4. a. A young shell of *Strombus Lutruanus*.
850. 5. Is a species which Mr. Swainson has separated from *Strombus Lutruanus*, with the name of *Strombus cylindricus*.
851. 6. *Strombus Lutruanus*.
852. 7. Has the appearance of a *Buccinum*; but I am unacquainted with the shell, and have never met with any reference to this figure.
— 8. Is *Strombus sulcatus*; and has been generally and erroneously quoted for *Strombus vittatus*.
853. 9. *Strombus Canarium*.
— 10. *Strombus Epidromis*.

Tab. Fig.

854. 11. *Strombus Unicornis*.
 — 12. *Strombus Fusus*.
855. 12. a. Has been generally quoted for *Strombus vittatus*; but I never saw that species with the lip so much expanded.
 — 12. b. Is a variety of *Strombus vittatus*, with the body whirl shorter, and the spire more produced; and it is described as a separate species by Lamarck, with the name of *Strombus turritus*.
856. 12. c. Has been generally considered to be a young shell of *Strombus latissimus*; but Mr. Swainson, in the Catalogue of Mrs. Bligh's Collection, has arranged it as a separate species, with the name of *Strombus inermis*.
857. 13. *Strombus Urceus*.
858. 14. *Strombus Samar*.
859. 15. *Strombus minimus* of Linneus: and Mr. Swainson has judiciously remarked, that in the Descriptive Catalogue this species has been confounded with *Strombus marginatus*; and he has suggested, that the Linnean *Strombus marginatus* is a variety of *Strombus accinctus*.
 — 16. *Strombus accinctus*.
860. 17. *Strombus fasciatus*; and Klein's t. 6. f. 107. has been copied from this figure.
861. 18. *Strombus lentiginosus*.
862. 18. a. Is generally considered to be an old and very full grown shell of *Strombus latissimus*, but has been arranged separately by Chemnitz, with the name of *Strombus Goliath*.
863. 18. b. *Strombus Gigas*. Buonanni, in his Riecreatione, part 3. f. 404. and 405. has represented the two sides of this shell, and Lister has here copied only the latter of these figures.
864. 19. Is probably a young shell of *Strombus Accipiter*; but the figure badly accords with Lister's description, and is not well executed.
865. 20. *Strombus Pes Pelecani*; and Klein's t. 2. f. 42. is a copy.
866. 21. *Strombus Lambis*.
 — 21. b. *Strombus Pes Pelecani*; and Klein's t. 2. f. 41. is a copy.
867. 22. This shell is generally considered to be a variety of *Strombus Scorpius*, but has been arranged separately by Lamarck, with the name of *Pterocera pseudoscorpio*; and differs in being larger, and in having the claws thicker and much less nodulous.
868. 23. } *Strombus Millepeda*; and the engraving of the latter figure has been made from
 869. — } Buonanni's Riecreatione, part 3. f. 311.
870. 24. *Strombus Chiragra*.
871. 25. Same as Martini, t. 83. f. 836. and 837; which Gmelin arranged as a variety of *Strombus Gallus*, and which is the *Strombus bituberculatus* of Lamarck.
 — 26. Variety of *Strombus Auris Dianæ*, with the lip imperfectly formed.
872. 27. In the Descriptive Catalogue I have followed Gmelin in arranging this species as a variety of *Strombus Auris Dianæ*, but it is perfectly distinct, and is the *Strombus Auris Asini* of my MS.
 — 28. *Strombus Auris Dianæ*.
873. 29. Is the *Strombus tricornis* which in the Descriptive Catalogue is mentioned as a variety of *Strombus Gallus*, but is a distinct species.
874. 30. *Strombus Gallus*.
875. 31. A young shell of *Strombus Chiragra*.
877. 1. *Bulla Pyrum*.
878. 2. *Murex canaliculatus*.
 — 3. Larva of *Murex canaliculatus*.
879. 3. a. Ovaries of *Murex canaliculatus*.
880. 3. b. *Murex Carica*.
881. 3. c. } Ovaries of a *Murex*.
 — 3. d. }
882. 4. A young shell of *Strombus truncatus*.
883. 5. Is probably a young shell of *Strombus fasciatus*, but it is a bad figure.
 — 6. A young shell of *Strombus tricornis*. See t. 873. f. 29.
884. 6. a. *Murex pugilinus*.

Tab. Fig.

885. 6. b. *Murex carnarius* of Chemnitz; which in the Descriptive Catalogue is arranged as a variety of *Murex pugilinus*.
886. 7. } Young shells of *Strombus Gigas* in different stages of growth; and fig. 8. has been
887. 8. } engraved from Buonanni's *Ricreatione*, f. 303.
888. 9. }
889. 10. The *Strombus* No. 18. of Schroeter's *Einleitung*, and the *Strombus affinis* of Gmelin, have been constituted from this figure; and it is obviously a young shell with the outer lip only partially formed.
890. 10. a. Is the *Strombus* No. 19. of Schroeter's *Einleitung*; but it has more of the appearance of a *Buccinum*, and I am unacquainted with the shell.
891. 11. A young shell of *Strombus Gallus*.
892. 12. *Murex Ternatanus*.
893. 12. a. A young shell of *Strombus lentiginosus*.
— 13. *Murex caudatus*.
894. 14. *Buccinum bulbosum*.
895. 15. *Murex calcaratus*, variety D.
896. 16. Is the *Murex Galea* of Chemnitz, vol. x. p. 237. t. 160. f. 1518. and 1519: which Gmelin has erroneously quoted for a variety of *Murex Hippocastanum*; and the species has not been noticed in my Descriptive Catalogue.
— 16. a. } These figures together form the *Murex* No. 59. of Schroeter's *Einleitung*; and
— 16. b. } I am not acquainted with either.
897. 17. Appears to me to be a young shell of the *Murex Ficus Maris Erythræi* of Chemnitz, vol. xi. p. 125, and which in the Descriptive Catalogue has been erroneously blended with the synonyms of *Murex Ficus*: it has been separately arranged by Meuschen, in the Museum Geversianum, No. 693. under the name of *Muriciformis Pyrus*; and is the *Buccinum* No. 76. of Schroeter's *Einleitung*, and the *Buccinum* No. 24. of Schreiber's *Conchylien*.
898. 18. *Buccinum Galea*; and Lister has copied this figure from the Museum Calceolarianum, p. 41.
899. 19. *Buccinum Dolium*.
900. 20. *Murex Brandaris*.
901. 21. *Murex cornutus*.
902. 22. *Murex Tribulus*.
903. 23. *Murex Haustellum*; and this figure is an exact copy from Buonanni's *Ricreatione*, part 3. f. 268.
904. 24. *Murex Melongena*.
905. 24. a. Was considered by Dr. Solander to be a variety of *Murex Melongena*.
906. 25. *Murex Scorpio*.
— 26. *Strombus Sloanii* of Leach's *Zoological Miscellany*; and it is probably nothing more than a *lusus* of *Strombus Pugilis*.
907. 27. A young shell of *Murex perversus*.
908. 28. *Murex perversus*.
910. 1. Is generally considered to be a variety of *Murex Tulipa*, but is arranged separately by Lamarck, with the name of *Fasciolaria distans*; and it differs in having the canal at the base shorter, and in the want of an indented margin at the suture.
911. 2. *Murex Tulipa*; and this figure has been borrowed from Buonanni's *Ricreatione*, part 3. f. 187.
912. 3. A young shell of *Murex Tulipa*.
913. 4. *Murex antiquus*; and is taken from the *Historia Animalium Angliæ*, t. 3. f. 1.
— 5. *Murex corneus*. This as well as the preceding figure was first published, with the whirls reversed, in the *Historia Animalium Angliæ*, t. 3. f. 4; and it has from thence been engraved for Buonanni's *Ricreatione*, part 3. f. 53. so as to invert the figure, and give the whirls their more natural direction. Klein's t. 3. f. 68. has been copied from the present figure.
914. 6. Is the *Murex* No. 234. of Schroeter's *Einleitung*; and no other author has noticed this figure, which is obviously taken from a dilapidated shell.
— 7. *Murex Pusio*.
915. 8. *Murex tornatus*.
916. 9. *Strombus Unicornis*. Lister has copied this figure from Buonanni's *Ricreatione*,

Tab. Fig.

- part 3. f. 121; and it has been again copied from Lister by Klein, in the *Methodus Ostracolog.* t. 4. f. 77.
917. 10. *Murex Colus*.
 — 11. *Murex Babylonius*.
918. 11. a. *Murex Colus*.
919. 13. *Murex craticulatus*.
920. 12. Is quoted by Martini for his *Fusus filamentosus*, vol. iv. p. 158; which in the Descriptive Catalogue I have followed Gmelin in arranging as a variety of *Murex Trapezium*, but it is a distinct species. Perry has figured it for *Murex Trapezium*; and to the Linnean *Murex Trapezium* he has given the name of *Murex lineata*.
921. 14. *Murex Infundibulum*; and this figure has been copied from Buonanni's *Ricreatione*, part 3. f. 104.
 — 14. a. Is an uncertain figure: which in the Museum Geversianum is called *Buccinum gibber*; and it is the *Murex* No. 235. of Schroeter's *Einleitung*.
922. 15. *Murex aurantia* of Perry; which Schroeter and Gmelin have followed Martini in confounding with *Murex polygonus*.
924. 16. Is probably a young shell of *Murex clavatulus*, with the outer lip imperfectly formed; but is quoted by Lamarck, with a mark of doubt, for his *Turbinella Friserialis*.
 — 16. a. Appears to me to be a variety of *Voluta vitulina* without its customary transverse band.
 — 16. b. Is mentioned by Gmelin, at p. 3485, as an uncertain figure, and no other author besides Schroeter has noticed it: it is the *Buccinum* No. 79. of his *Einleitung*.
925. 17. Is *Murex gibbosus*; and the *Buccinum asperum* of Gmelin, which has been wholly derived from the present figure, may be added to the synonyms of this species.
 — 18. Is probably a very young shell of *Strombus Pes Pelecani*, with its outer lip wholly unformed.
926. 19. Klein has copied this figure in his *Methodus Ostracolog.* t. 3. f. 67; and the latter has been quoted by Linneus for his *Murex clathratus*.
 — 20. Is the *Murex* No. 237. of Schroeter's *Einleitung*; and I believe that the species has not been elsewhere described, although it is common among West Indian shells.
927. 21. Is a young shell of *Murex maculosus*, with the outer lip imperfectly formed.
928. 22. *Murex Morio*.
929. 23. *Buccinum Zebra* of Lamarck: and is common among shells from the West Indies.
 — 24. Is the *Murex* No. 65. of Schroeter's *Einleitung*; and I doubt whether the species has been otherwise described.
930. 25. Quoted by Martini for a variety of *Murex polygonus*; and in the Portland Catalogue, lot 1690, it is said to be an undescribed *Murex*.
931. 26. *Murex Trapezium*; and it has been copied from Buonanni's *Ricreatione*, part 3. f. 287.
931. — The *Murex Gigas* of Gmelin has been entirely constituted from this figure; and I greatly doubt whether it is more than a half grown shell of *Strombus truncatus*.
932. 27. *Murex Parthenopus*.
933. 28. Is the *Murex* No. 242. of Schroeter's *Einleitung*, and has been copied by Klein in his *Methodus Ostracolog.* t. 3. f. 62. but has every appearance of a very young and imperfectly grown shell.
934. 29. *Murex Lotorium*.
935. 29. a. Is the *Voluta Pyrum*, variety C, of the Descriptive Catalogue, but is a distinct species, and is the *Triton tuberosum* of Lamarck.
 — 30. *Murex reticularis*. This figure, which is rather a caricature of the species, with some small alteration, has been copied from Buonanni's *Ricreatione*, f. 193; and it has again been copied from Lister by Petiver in his *Gazophylacium*, t. 153. f. 6.
936. 31. Lister has copied this figure from Buonanni's *Ricreatione*, part 3. f. 286; and it has been again copied by Klein in his *Methodus Ostracolog.* t. 3. f. 63. It appears to be a variety of *Murex Parthenopus*.

Tab. Fig.

937. 32. *Murex Olearium*; and the figure has been copied from Buonanni's *Ricreatione*, part 3. f. 105.
938. 33. *Buccinum undosum*.
939. 34. Has been generally arranged as a variety of *Murex Gyrinus*, but is perfectly distinct; and differs in being longer in proportion to the breadth, as well as nearly twice as large. It is the *Biplex elegans* of Perry, and the *Ranella granifera* of Lamarck.
- 34. a. *Murex undatus*.
940. 36. *Murex clandestinus*; and Klein's t. 3. f. 61. is a copy.
941. 37. *Murex Femorale*.
942. 38. *Murex cutaceus*.
943. 39. *Murex Scrobilator*.
944. 39. a. *Murex Pomum*.
945. 40. *Murex saxatilis*.
946. 41. This figure is an inverted copy from Buonanni's *Ricreatione*, part 3. f. 276; and is the variety of *Murex ramosus* to which Lamarck has given the name of *Murex palmarosæ*.
947. 42. *Murex Trunculus*.
948. 43. Gmelin has followed some other authors in quoting it for *Murex Lotorium*, but it is rather an uncertain figure.
949. 44. *Murex spinosus*.
950. 44. b. Is the *Murex contrarius* of Sowerby: and Lister says, that the shell was sent to him by Dr. Dale "ab ora maritima prope Harwich;" and it is figured by Dale, in his *History of Harwich*, among the fossils of that neighbourhood. The *Murex contrarius* of Linneus is a variety of *Murex antiquus*, which differs only in having the whirls reversed; and the fossil species, though very nearly allied, is probably distinct.
- 44. c. The foregoing remarks apply equally to this figure; which is generally considered to be a variety of the fossil *Murex contrarius* of Sowerby, but it approaches more nearly to a reversed shell of *Murex subantiquatus*.
952. 1. *Murex Trunculus*, with the animal; and Lister has copied this figure from *Columna de Purpura*, p. 13.
953. 2. *Murex virgatus*.
- 3. Is the *Murex* No. 68. of Schroeter's *Einleitung*; and the figure has been copied by Petiver in his *Gazophylacium*, t. 118. f. 13.
954. 4. Quoted by Martini for his *Morum album*, vol. iii. p. 278. t. 101. f. 970. which Gmelin has confounded with *Murex Mancinella*; and it is the *Ricinula Morus* of Lamarck.
- 5. *Buccinum armillatum*.
955. 6. Probably belongs to the variety of *Murex Ricinus* with a violet mouth; which is the *Hystrix amethystinum* of Calonne's *Catalogue*, p. 31.
956. 7. Is the *Murex Morum majus Guineense* of Martini, vol. iii. p. 272. t. 100. f. 963. which Gmelin has arranged as a variety of *Murex Mancinella*; and it has every appearance of being a distinct species.
- 8. Generally quoted for *Murex Mancinella*, but is a badly executed figure.
957. 9. *Murex Mancinella*.
- 10. A variety of *Murex Nodus*.
958. 11. Quoted by Born and others for *Murex lacerus*, but is very far from a good figure. Klein's t. 3. f. 58. is a copy.
- 11. b. The *Buccinum tuberculatum* of Gmelin has been wholly constituted from this figure; and I am unacquainted with the species.
959. 12. *Murex Tritonis*.
960. 13. Is the *Triton nodiferum* of Lamarck; which in the *Descriptive Catalogue* has been confounded with *Murex Nerei*: and it differs in wanting the decussated striæ, and in having two strong transverse plaits at the upper end of the pillar lip.
962. 14. *Buccinum undatum*. This figure has been copied either from the *Historia Animalium Angliæ*, t. 3. f. 2. or from Buonanni's *Ricreatione*, part 3. f. 189: and the shell is represented in the former work with the whirls reversed, which error Buonanni in his engraving has corrected.

- Tab. Fig.
962. 15. Is the smooth variety of *Buccinum undatum*; and in the manner above mentioned this figure is either a corrected copy from the *Historia Animalium Angliæ*, t. 3. f. 3. or has been taken from Buonanni, part 3. f. 190.
- 15. a. This figure has only been noticed by Schroeter, of whose *Einleitung* it is the *Murex* No. 80; and by Donovan, who seems to have considered it to be the larva of *Buccinum undatum*. Klein's t. 3. f. 57. is a copy.
963. 16. Is probably a variety of *Buccinum porcatum*, with the transverse ribs obsolete.
- 17. Is the *Buccinum Anglicum* of Gmelin; which in the *Descriptive Catalogue* is arranged as a variety of *Buccinum papyraceum*, but Lamarck says that they are distinct. In the *Encyclopédie Méthodique* it is called *Buccinum Norvegicum*; and this name is preferable to Gmelin's, as the species has not been found on the English coast.
964. 49. e. The *Buccinum* No. 81. of Schroeter's *Einleitung* has been described from this figure, but it is more probably a *Voluta*, and allied to *Voluta maculosa*.
- 49. f. From this the *Buccinum* No. 82. of Schroeter's *Einleitung*, and the No. 26. of Schreiber's *Conchylien*, have been constituted; and in Mr. Sowerby's work on the *Genera of Shells*, it is described and figured with the name of *Columbella concinna*.
965. 18. } *Buccinum Lapillus*; and have been copied from the *Historia Animalium Angliæ*,
— 19. } t. 3. f. 5. and 6.
- 965.b.20. *Buccinum ambiguum*.
966. 21. *Buccinum reticulatum*.
967. 22. Is generally considered to be *Murex craticulatus*, which it much resembles; but Bruguiere, with a mark of doubt, has quoted it for his *Buccinum crenulatum*, (*Encyclopédie Méthodique*, p. 271:) and this species I am unable to ascertain, nor does the figure at all well accord with his description.
968. 22. b. Is the *Cassida chrysostoma* of the *Museum Geversianum*, No. 1265. and the *Buccinum* No. 84. of Schroeter's *Einleitung*.
- 22. c. In the same way as the foregoing this figure is also quoted in the following numbers both of the *Museum Geversianum* and of Schroeter's *Einleitung*, and it appears to me undeserving of notice.
969. 23. *Buccinum papillosum*.
970. 24. *Buccinum Arcularia*.
- 25. *Buccinum Pullus*.
971. 26. *Buccinum Thersites*.
972. 27. *Buccinum verrucosum*.
973. 28. *Buccinum gibbosolum*.
974. 29. *Buccinum glabratum*.
975. 30. The upper figure is *Buccinum gibbum*; and Lister has copied this, and also t. 8. f. 7. of his *Tabulæ Anatomicae*, from *Columna de Purpura*, p. 16. The lower figure is *Buccinum Hepaticum*.
976. 31. *Buccinum sulcatum*, variety A.
- 32. *Buccinum Nucleus*.
977. 33. *Buccinum digitale*.
- 34. *Buccinum vittatum*; and Klein's t. 7. f. 121. is a copy.
978. 35. *Buccinum levissimum*.
979. 36. Is the *Turbo Terebellum* of Martini, vol. iv. p. 299. vignette 40. f. 3; and it much resembles *Buccinum concinnum*, but in that species the whirls are said by Born to be undivided: from young shells of *Buccinum maculatum* it differs, by being narrower in proportion to the length, in its darker colour, and in having the whirls strongly divided throughout by a spiral line at a short distance from the suture.
- 37. Probably belongs to *Buccinum succinctum*; and Petiver's *Gazophylacium*, t. 152. f. 16. is a badly executed copy.
- 38. The *Buccinum* No. 190. of Schroeter's *Einleitung*, and the *Buccinum punctulatum* of Gmelin, have been wholly constituted from this uncertain figure.
980. 39. *Buccinum sulcatum*, variety B; and is the *Planaxis sulcata* of Lamarck.
981. 40. *Buccinum Glans*.
- 41. Is the variety of *Buccinum spiratum*, to which Perry has given the name of *Ancilla*

- Tab. Fig. *maculata*; and the species, in its most common appearance, is his *Ancilla pallida*. Lamarck, in like manner, has arranged it as a separate species, with the name of *Eburna areolata*.
982. 42. *Buccinum Zeylanicum*.
983. 42. b. } *Buccinum spiratum*.
— 42. c. }
984. 43. *Buccinum Perdix*; and Lister has taken this figure from Buonanni's *Ricreatione*, part 3. f. 191.
985. 44. *Buccinum olearium*, but is not a good figure.
986. 45. *Buccinum sertum*; and Klein's t. 4. f. 75. is a copy.
987. 46. *Buccinum Persicum*.
— 47. Is the *Buccinum Rudolphi* of Chemnitz; which in the Descriptive Catalogue is arranged as a variety of *Buccinum Persicum*.
988. 48. *Buccinum Hemastoma*.
989. 49. *Buccinum patulum*.
990. 50. *Murex neritoideus*; and the engraving seems to have been made by tracing Buonanni's f. 174. on the copper, so as to invert the figure, and correct its left-handed appearance.
- 990.b.51. *Murex morbosus*.
991. 52. Erroneously quoted in the Descriptive Catalogue, with the foregoing figure, for *Murex morbosus*, and is much more probably a variety of *Murex Nodus*.
— 53. *Murex Nodus*.
992. 54. Is the *Buccinum* No. 88. of Schroeter's *Einleitung*; and I doubt whether either the species or the figure has been noticed by any other author.
— 55. *Buccinum Harpa*, variety C; which is the *Buccinum Cithara* of Solander, and the *Harpa nobilis* of Lamarck.
993. 56. *Buccinum Harpa*, variety E; and this is the *Buccinum Barbiton* of Solander, and the *Harpa articularis* of Lamarck.
994. 57. *Buccinum Harpa*, variety D; which is the *Buccinum Lyra* of Solander, and the *Harpa minor* of Lamarck.
995. 58. *Murex Rana*.
— 59. *Murex crassus*.
996. 60. *Buccinum glaucum*.
— 61. *Buccinum undulatum*; and Gmelin's description of the species has been wholly taken from this figure. Petiver's *Gazophylacium*, t. 152. f. 8. is a copy.
997. 62. *Buccinum tessellatum*; and from this figure Gmelin has described his *Buccinum maculosum*, which is the same species.
998. 63. *Buccinum bilineatum*; and Gmelin's description of the species has been wholly taken from this figure.
999. 64. The *Buccinum* No. 92. of Schroeter's *Einleitung*, which is the *Buccinum gibbum* of Gmelin, has been constituted from this figure; and it is most probably a variety of *Buccinum granulatum*.
1000. 65. Is generally considered to be a variety of *Buccinum decussatum*; but is arranged as a separate species by Lamarck, with the name of *Cassis abbreviata*: and he says, it may be distinguished "par sa forme plus raccourcie et par sa columelle, qui est granuleuse inférieurement." In the way mentioned in my observation on t. 950. this figure has been copied from Buonanni's *Ricreatione*, part 3. f. 157.
1001. 66. *Buccinum Testiculus*. Lister has copied this figure from Buonanni's f. 162. and it has been again copied by Petiver in his *Gazophylacium*, t. 152. f. 15.
1002. 67. *Buccinum plicatum*. Lister has copied this figure from Buonanni's *Ricreatione*, part 3. f. 161: and it is worthy of remark, that Martini's two figures of this species differ only from Buonanni's in their being coloured.
1003. 68. *Buccinum Echinophorum*. It is clearly not an original figure, and has probably been borrowed from Buonanni's f. 19.
1004. 69. *Buccinum flammeum*; and Petiver's *Gazophylacium*, t. 153. f. 1. is a copy.
1005. 72. Variety of *Buccinum flammeum*.
1006. 70. Is a young shell of *Buccinum cornutum*; and has been engraved from Buonanni's *Ricreatione*, part 3. f. 155. so as to invert the figure.
1007. 71. Is a young shell of *Buccinum rufum*; and of the two species which Gmelin, at

- Tab. Fig. pp. 3476 and 3498, has described with the name of *Buccinum ventricosum*, the former is the *Buccinum* No. 94. of Schroeter's *Einleitung*, and has been wholly constituted from this figure.
1008. 71. b. *Buccinum cornutum*.
1009. 71. c. A young shell of *Buccinum cornutum*.
1010. 71. d. Martini has quoted this figure for *Murex trunculus*; but it is badly executed, and hardly deserves notice.
1011. 71. e. Is a variety of *Buccinum rugosum*; and Lister has copied this figure, although not correctly, either from Rondeletius or Aldrovandus.
- 71. f. *Buccinum nodosum*. Gmelin has incautiously given the name of *Buccinum strigosum* to three different species, and one of these has been wholly derived from this figure.
1012. 76. A young shell of *Buccinum Saburon*.
1013. 77. Quoted by Dr. Solander for his *Buccinum Panthera*, which he considered to be a distinct species; but the intermediate gradations are so numerous, that I greatly doubt whether it is more than a variety of *Buccinum Erinaceus*.
1014. 78. *Buccinum strigatum*; and Gmelin, following Schroeter, has erroneously formed a separate species from this figure, with the name of *Buccinum rugosum*.
1015. 73. Copied by Lister from Buonanni's *Ricreatione*, part 3. f. 152. and is the same as Martini, f. 363: which is generally considered to be a variety of *Buccinum Erinaceus*, but has been arranged separately by Dr. Solander, with the name of *Buccinum Meles*.
1016. 74. The *Buccinum* No. 100. of Schroeter's *Einleitung*, which is the *Buccinum ponderosum* of Gmelin, has been wholly constituted from this figure; and though not well executed, it most probably is nothing more than a variety of *Buccinum Erinaceus*.
- 75. *Buccinum recurvirostrum*; and the species was originally constituted by Schroeter and Gmelin entirely from this figure. I know of only one other figure, which is Perry's, and it is his *Cassidea labiata*.
1017. 79. *Murex Aluco*; and Petiver's *Gazophylacium*, t. 153. f. 2. is a copy.
1018. 80. *Murex Obeliscus*; and Petiver's *Gazophylacium*, t. 152. f. 4. is a copy.
- 81. The *Murex* No. 71. of Schroeter's *Einleitung*, and the *Murex minimus* of Gmelin are derived entirely from this figure: and it is the *Cerithium Zonale* of Bruguiere, which is probably the Linnean *Trochus striatellus*. Petiver has copied this figure in his *Gazophylacium*, t. 152. f. 5.
1019. 82. *Murex alucoides*.
1020. 83. *Murex Vertagus*; and the engraving has been made from the *Ricreatione*, part 3. f. 84. so as merely to invert Buonanni's figure, and correct its heterostrephous appearance.
- 84. *Murex asper*.
1021. 85. *Murex sulcatus*.
- 85. b. Is the *Cerithium fasciatum* of Bruguiere, and the *Murex fasciatus* of my MS. In the Descriptive Catalogue it is arranged as a variety of *Murex Vertagus*, but is distinct; and differs in having the whirls strongly plaited longitudinally throughout, and slightly striated as well as striped transversely.
1022. 86. *Murex maculosus*.
1023. 88. *Murex Lampas*.
1024. 89. *Strombus tuberculatus*.
- 90. Bruguiere, with a mark of doubt, has quoted this figure for his *Cerithium ocellatum*, which is a species nearly allied to *Strombus tuberculatus*.
- 91. Gmelin, in a note at p. 3562 of the *Systema*, has placed this among the doubtful figures; and it is the *Murex* No. 74. of Schroeter's *Einleitung*. No other author has noticed it except Meuschen, who, with a mark of doubt, has quoted it for his *Buccinum celebare* in the *Museum Geversianum*, No. 592.
1025. 87. *Murex tuberosus*.

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1027. 1. *Ampullaria acuta* of Lamarck and Sowerby.

- Tab. Fig.
1027. 2. Is an inverted copy from the *Historia Animalium Angliæ*, t. 7. f. 16; and appears to be the spiral termination of a *Serpula* resembling *Serpula lumbricalis*.
1028. 3. Is the *Murex Bulbus* of Brander and Chemnitz, and the *Fusus bulbiformis* of Lamarck and Sowerby.
1029. 4. *Phasianella orbicularis* of Sowerby.
- 5. The inside cast of a *Melania*.
1030. 10. Is probably the damaged shell of a *Pleurotoma*, but I am wholly unacquainted with the species.
1031. 11. Is an inverted copy from the *Historia Animalium Angliæ*, t. 7. f. 15; and Lister says it is found "in lapidicinis saxi plumbiferi regionis montosæ Craven dictæ." It is probably a land shell; and in shape approaches nearly to the species which Draparnaud has erroneously arranged as an *Auricula*, with the name of *Auricula lineata*.
- 12. An inside cast of the *Melania Heddingtonensis* of Sowerby.
1032. 13. Is probably an undescribed species of *Melania*.
1033. 6. *Voluta costaria* of Lamarck; and the same species is figured in Chemnitz, vol. xi. with the name of *Cochlea mixta*. It differs from the *Voluta costata* of Brander and Sowerby, in having only eight instead of nine longitudinal plaits.
- 7. Is the *Strombus spinosus* of Linneus and Chemnitz, the *Murex costatus* of Gmelin, and the *Voluta spinosa* of Lamarck: the *Voluta spinosa* of Sowerby is a variety of the same species; and it has been confounded by Brander with his *Strombus Luctator*, which is the *Voluta musicalis* of Lamarck. I have a beautiful specimen from Grignon, with transverse buff-coloured stripes: and Linneus to his description of the species has added, "Mirum colores perennare in fossili testâ."
1034. 8. *Ancillaria buccinoides* of Lamarck.
1035. 9. *Voluta perita* of Brander.
1036. 16. Is an inverted copy from the *Historia Animalium Angliæ*, t. 7. f. 11. and is the *Trochus similis* of Sowerby; which name in his Index has been changed to *Trochus Anglicus*.
- 17. Is probably the *Trochus nodulosus* of Brander, and the *Trochus monilifer* of Lamarck.
1037. 14. Appears to have been intended for the *Turbo reticulatus* of Brander, but is not a good figure.
1038. 15. Mr. Miller has suggested that this may be a cast of the *Rostellaria Parkinsoni* of Mantell, with the claws broken off.
1039. 18. *Ammonites Walcottii* of Sowerby.
1040. 18. b. *Ammonites Nutfieldiensis* of Sowerby; and the figure has been quoted, with a query, by Lamarck, for his *Orbulites striata*.
1041. 19. *Ammonites Braikenridgii* of Sowerby; and is an inverted copy from the *Historia Animalium Angliæ*, t. 6. f. 1.
- 20. Bruguiere has quoted the *Historia Animalium Angliæ*, t. 6. f. 2. for his *Ammonites bifrons*, and this figure is a copy; but it is certainly nothing more than a cast of *Ammonites Walcottii*. See t. 1039. f. 18.
- 21. *Ammonites bisulcatus* of Bruguiere; and this species differs from the *Ammonites planicosta* of Sowerby, in having two dorsal grooves. The figure is copied from the *Historia Animalium Angliæ*, t. 6. f. 3; and is quoted in Jameson's Appendix to Cuvier's Theory, by the name of *Ammonites spatosus*.
1042. 22. *Ammonites communis* of Sowerby; and is copied from the *Historia Animalium Angliæ*, t. 6. larger fig. 5.
- 23. *Ammonites annulatus* of Sowerby; and this figure is an inverted copy from the smaller fig. 5. of the table last referred to. The specific name of *annulatus* must be changed, for it had been before given to another species by Von Schlotheim; and the confusion which has been thus introduced is pointed out by Brongniart, in a note at p. 392 of the "Description Géologique des Environs de Paris."
1043. 23. b. These figures have been copied from the Appendix to the *Historia Animalium Angliæ*, t. 1. f. 10 to 12. and represent the sinuous margins of the dissepiments which form the internal chambers of the *Ammonites*.

- Tab. Fig.
 1044. 23. c. *Ammonites Conybeari* of Sowerby.
 1045. 23. d. *Ammonites Blagdeni* of Sowerby.
 1046. 23. e. *Ammonites giganteus* of Sowerby.
 1047. 23. f. Is most probably a broken cast of the *Nautilus intermedius* of Sowerby; and although on a reduced scale, I greatly doubt whether Favanne's t. 66. f. C 3. is more than an inaccurate copy, and whether some other of Favanne's figures have not in like manner been borrowed from Lister.
 1048. 23. g. *Nautilus truncatus* of Sowerby.
 1049. 24. *Ammonites discus* of Sowerby.
 1050. 25. Is probably a section of the foregoing species.
 1051. 26. Is the inside cast of a *Cirrus*, which is common in the black marble at Llangardarne in Carmarthenshire; and I doubt whether it is more than a variety of the *Cirrus acuta* of Sowerby, with the spire depressed.
 1052. 27. Is the *Ammonites turbinata* of Bruguiere, and belongs to the genus *Solarium* of Lamarck.
 1053. 28. *Euomphalus pentangulatus* of Sowerby.
 — 29. Is probably an inside cast of the *Natica patula* of Sowerby.
 1054. 30. *Ammonites reniformis* of Bruguiere; and the figures are taken from the *Historia Animalium Angliæ*, t. 6. f. 10.

SUPPLEMENTARY TABLES OF RECENT SHELLS.

1055. 1. *Helix ovata*.
 — 2. *Helix hæmastoma*.
 — 3. Is the *Helix* No. 95. of Schroeter's *Einleitung*; and has been erroneously quoted by Gmelin for a variety of *Helix nemoralis*.
 — 4. *Helix zonulata* of Ferussac; and in the *Descriptive Catalogue* has been erroneously quoted for *Helix Cornu Venatorium* instead of t. 1058. f. 3. and 4.
 — 5. *Helix Carocolla*.
 — 6. *Helix vivipara*.
 — 7. The *Buccinum* No. 191. of Schroeter's *Einleitung*, and the *Buccinum Acicula* of Gmelin, have been entirely constituted from this figure; and it is certainly nothing more than a shell of *Strombus ater*, with the outer lip imperfect.
 — 8. A variety of *Helix Amarula*.
 — 9. *Mytilus castaneus* of Solander, which is the *Modiola Vagina* of Lamarck; and the species has been omitted in the *Descriptive Catalogue*.
 — 10. This species has been generally confounded with *Mya Vulsella*, but has been separated by Lamarck, with the name of *Vulsella hians*.
 1056. 1. *Venus fimbriata*.
 — 2. I have not met with any reference to this figure, and the want of a description renders it almost impossible to ascertain the species.
 — 3. Is probably an unusually large shell of *Teredo navalis*.
 — 4. *Dentalium Entalis*.
 — 5. *Solen Vagina*.
 — 6. } *Haliotis imperforata*.
 — 7. }
 — 8. *Bulla Ampulla*.
 — 9. *Buccinum granulatum*.
 1057. 1. Quoted by Maton and Racket for *Murex subantiquatus*.
 — 2. Is probably *Murex fornicatus*: but there are so many intermediate varieties, that I confess my inability to distinguish either *Murex fornicatus* or *Murex subantiquatus* from *Murex despectus*; and Martini considered not only these, but *Murex antiquus* also, to be only varieties of one species.
 — 3. *Venus Islandica*.
 — 4. *Ostrea cinnabarina*.
 — 5. Is the *Mytilus rusticus* of Solander's MS. and the *Modiola Papuana* of Lamarck; which species has been generally confounded with *Mytilus Modiolus*.

- Tab. Fig.
 1058. 1. } Quoted by Gmelin for *Helix Lucorum*, and by Chemnitz for *Helix hæmastoma*;
 — 2. } but I have received a similar shell from Spain, and it appears to me to be a va-
 riety of *Helix lactea*.
 — 3. }
 — 4. } *Helix Cornu Venatorium*.
 — 5. I have not met with any reference to this figure, and the want of a description
 renders the species uncertain.
 — 6. *Voluta Auris Midæ*.
 — 7. Same as fig. 5.
 — 8. *Voluta australis*.
 — 9. *Voluta glabra*.
 — 10. "Ad ramulos adhærens in Marilandia;" and if it belongs to the *Testaceæ*, is pro-
 bably the larva of some *Mytilus*.
 — 11. *Helix rotundata*.
 — 12. I much doubt whether this has any connection with the *Testaceæ*, and it looks
 more like the nidus of an insect.
 — 13. Of the meaning of this figure I am wholly unable to offer any conjecture.
 1059. 1. *Spondylus plicatus*.
 — 2. A variety of *Buccinum Scala*.
 — 3. *Strombus Pes Pelecani*.
 — 4. Quoted by Ferussac, with a mark of doubt, for his *Helix Goniostoma*; which is
 the third of the shells figured by Mr. Mawe in his Travels in Brazil.
 — 5. *Bulla Hymnorum*.
 — 6. } The two former are quoted by Gmelin for varieties of *Turbo littoreus*, which
 — 7. } they are completely unlike; and all three probably belong to the same non-
 — 8. } descript species.
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